

# TPO41

## Reading

### Navajo Art

The Navajo, a Native American people living in the southwestern United States, live in small scattered settlements. In many respects, such as education, occupation, and leisure activities, their life is like that of other groups that contribute to the diverse social fabric of North American culture in the twenty-first century. At the same time, they have retained some traditional cultural practices that are associated with particular art forms. For example, the most important traditional Navajo rituals include the production of large floor paintings. These are actually made by pouring thin, finely controlled streams of colored sands or pulverized vegetable and mineral substances, pollen, and flowers in precise patterns on the ground. The largest of these paintings may be up to 5.5 meters in diameter and cover the entire floor of a room. Working from the inside of the design outward, the Navajo artist and his assistants will sift the black, white, bluish-gray, orange, and red materials through their fingers to create the finely detailed imagery. The paintings and chants used in the ceremonies are directed by well-trained artists and singers who enlist the aid of spirits who are impersonated by masked performers. The twenty-four known Navajo chants can be represented by up to 500 sand paintings. These complex paintings serve as memory aids to guide the singers during the performance of the ritual songs, which can last up to nine days.

The purpose and meaning of the sand paintings can be explained by examining one of the most basic ideals of Navajo society, embodied in their word **hozho** (beauty or harmony, goodness, and happiness). It coexists with **hochxo** ("ugliness," or "evil," and "disorder") in a world where opposing forces of dynamism and stability create constant change. When the world, which was created in beauty, becomes ugly and disorderly, the Navajo gather to perform rituals with songs and make sand paintings to restore beauty and harmony to the world. Some illness is itself regarded as a type of disharmony. Thus, the restoration of harmony through a ceremony can be part of a curing process.

Men make sand paintings that are accurate copies of paintings from the past. The songs sung over the paintings are also faithful renditions of songs from the past. By recreating these arts, which reflect the original beauty of creation, the Navajo bring beauty to the present world. As relative newcomers to the Southwest, a place where their climate, neighbors, and rulers could be equally inhospitable, the Navajo created these art forms to affect the world around them, not just through the recounting of the actions symbolized, but through the beauty and harmony of the artworks themselves. The paintings generally illustrate ideas and events from the life of a mythical hero, who, after being healed by the gods, gave gifts of songs and paintings. Working from memory, the artists re-create the traditional form of the image as accurately as possible.

The Navajo are also world-famous for the designs on their woven blankets. Navajo women own the family flocks, control the shearing of the sheep, the carding, the spinning, and dying of the thread, and the weaving of the fabrics. While the men who make faithful copies of sand paintings from the past represent the principle of stability in Navajo thought, women embody dynamism and create new designs for every weaving they make. Weaving is a paradigm of the

creativity of a mythic ancestor named Spider Woman who wove the universe as a cosmic web that united earth and sky. It was she who, according to legend, taught Navajo women how to weave. As they prepare their materials and weave, Navajo women imitate the transformations that originally created the world. Working on their looms, Navajo weavers create images through which they experience harmony with nature. It is their means of creating beauty and thereby contributing to the beauty, harmony, and healing of the world. Thus, weaving is a way of seeing the world and being part of it.

### **Paragraph 1**

The Navajo, a Native American people living in the southwestern United States, live in small scattered settlements. In many respects, such as education, occupation, and leisure activities, their life is like that of other groups that contribute to the diverse social fabric of North American culture in the twenty-first century. At the same time, they have retained some traditional cultural practices that are associated with particular art forms. For example, the most important traditional Navajo rituals include the production of large floor paintings. These are actually made by pouring thin, finely controlled streams of colored sands or pulverized vegetable and mineral substances, pollen, and flowers in **precise** patterns on the ground. The largest of these paintings may be up to 5.5 meters in diameter and cover the entire floor of a room. Working from the inside of the design outward, the Navajo artist and his assistants will sift the black, white, bluish-gray, orange, and red materials through their fingers to create the finely detailed imagery. The paintings and chants used in the ceremonies are directed by well-trained artists and singers who **enlist** the aid of spirits who are impersonated by masked performers. The twenty-four known Navajo chants can be represented by up to 500 sand paintings. These complex paintings serve as memory aids to guide the singers during the performance of the ritual songs, which can last up to nine days.

1. The word “**precise**” is closest in meaning to
  - A. colorful
  - B. exact
  - C. delicate
  - D. complex
  
2. The word “**enlist**” in the passage is closest in meaning to
  - A. assist
  - B. require
  - C. describe
  - D. recruit
  
3. What can be inferred from paragraph 1 about the Navajo ritual chants?
  - A. There is a large number of them.
  - B. Each of them corresponds to a particular sand painting.
  - C. They are difficult to remember.
  - D. They do not take long to perform

4. According to paragraph 1, all of the following are true of many important Navajo rituals EXCEPT:
- A. They involve the creation of large, detailed images.
  - B. They include performers whose faces are covered.
  - C. They take place indoors.
  - D. They are performed without elaborate planning.

### Paragraph 2

The purpose and meaning of the sand paintings can be explained by examining one of the most basic ideals of Navajo society, embodied in their word **hozho** (beauty or harmony, goodness, and happiness). It coexists with **hochxo** ("ugliness," or "evil," and "disorder") in a world where opposing forces of dynamism and stability create constant change. When the world, which was created in beauty, becomes ugly and disorderly, the Navajo gather to perform rituals with songs and make sand paintings to restore beauty and harmony to the world. Some illness is itself regarded as a type of disharmony. Thus, the restoration of harmony through a ceremony can be part of a curing process.

5. It can be inferred from the discussion of illness and curing in paragraph 2 that
- A. the Navajo consider illness to always have a supernatural cause
  - B. rituals involving songs and sand paintings may be used to treat an illness
  - C. when a Navajo is ill, ugly and disorderly sand paintings are made
  - D. after a serious illness, a Navajo will take part in a ceremony

### Paragraph 3

Men make sand paintings that are accurate copies of paintings from the past. The songs sung over the paintings are also **faithful** renditions of songs from the past. By recreating these arts, which reflect the original beauty of creation, the Navajo bring beauty to the present world. As relative newcomers to the Southwest, a place where their climate, neighbors, and rulers could be equally inhospitable, the Navajo created these art forms to affect the world around them, not just through the recounting of the actions symbolized, but through the beauty and harmony of the artworks themselves. The paintings generally illustrate ideas and events from the life of a mythical hero, who, after being healed by the gods, gave gifts of songs and paintings. Working from memory, the artists re-create the traditional form of the image as accurately as possible.

6. The word "**faithful**" in the passage is closest in meaning to
- A. modern
  - B. accurate
  - C. wonderful
  - D. simplified
7. Which of the sentences below best expresses the essential information in the highlighted sentence in the passage? Incorrect choices change the meaning in important ways or leave out essential information.
- A. The Navajo used the symbolism and beauty of their works of art to improve their life in an often inhospitable environment.
  - B. The ideas the Navajo hold about symbolism and beauty were influenced by their inhospitable

climate, neighbors, and rulers.

- C. When they first arrived in the Southwest, the Navajo produced symbolic art forms that promoted harmony.
- D. In their works of art, the Navajo emphasized beauty and harmony that can be found even under the most inhospitable circumstances.

8. According to paragraph 3, which of the following is often the subject of Navajo sand paintings?

- A. The landscape of the Southwest
- B. Traditional Navajo practices
- C. Historical events that occurred in the Southwest
- D. The lives of heroes in traditional Navajo stories

#### **Paragraph 4**

The Navajo are also world-famous for the designs on their woven blankets. Navajo women own the family flocks, control the shearing of the sheep, the carding, the spinning, and dying of the thread, and the weaving of the fabrics. While the men who make faithful copies of sand paintings from the past represent the principle of stability in Navajo thought, women embody dynamism and create new designs for every weaving they make. Weaving is a paradigm of the creativity of a mythic ancestor named Spider Woman who wove the universe as a cosmic web that united earth and sky. It was she who, according to legend, taught Navajo women how to weave. As they prepare their materials and weave, Navajo women imitate the transformations that originally created the world. Working on their looms, Navajo weavers create images through which they experience harmony with nature. It is their means of creating beauty and thereby contributing to the beauty, harmony, and healing of the world. Thus, weaving is a way of seeing the world and being part of it.

9. Paragraph 4 supports which of the following statements about Navajo weavers and weaving?

- A. Navajo women oversee all aspects of wool production and weaving.
- B. The wool used for blankets comes from different sheep than does the wool used for other purposes.
- C. Navajo weavers have used some of the same designs for hundreds of years.
- D. Weaving is done primarily for use in rituals.

10. The word “ancestor” in the passage is closest in meaning to

- A. relative from an earlier generation
- B. person who established a particular tradition in a society
- C. hero from ancient times
- D. person who once made important contributions to a social group or culture

11. Why does the author discuss “a mythic ancestor”?

- A. To show how Navajo ideas of weaving have changed over time
- B. To explain why the Navajo principle of stability is more clearly represented in their weavings

than in their sand paintings

- C. To emphasize the role of naturally occurring weaving materials in the creative weavings of the Navajo
- D. To help explain the significance of weaving in Navajo culture

12. According to paragraph 4, Navajo weavers imitate

- A. traditional weaving patterns
- B. patterns used in sand paintings
- C. the activities through which the world was created
- D. images from nature

13. Look at the four squares [■] that indicate where the following sentence could be added to the passage.

**Since this purpose is limited to the context of the ritual, the paintings are destroyed when the ritual is completed.**

Where would the sentence best fit? Click on a square [■] to add the sentence to the passage.

The Navajo, a Native American people living in the southwestern United States, live in small scattered settlements. In many respects, such as education, occupation, and leisure activities, their life is like that of other groups that contribute to the diverse social fabric of North American culture in the twenty-first century. At the same time, they have retained some traditional cultural practices that are associated with particular art forms. For example, the most important traditional Navajo rituals include the production of large floor paintings. These are actually made by pouring thin, finely controlled streams of colored sands or pulverized vegetable and mineral substances, pollen, and flowers in precise patterns on the ground. The largest of these paintings may be up to 5.5 meters in diameter and cover the entire floor of a room. Working from the inside of the design outward, the Navajo artist and his assistants will sift the black, white, bluish-gray, orange, and red materials through their fingers to create the finely detailed imagery. [■] The paintings and chants used in the ceremonies are directed by well-trained artists and singers who enlist the aid of spirits who are impersonated by masked performers. [■] The twenty-four known Navajo chants can be represented by up to 500 sand paintings. [■] These complex paintings serve as memory aids to guide the singers during the performance of the ritual songs, which can last up to nine days. [■]

14. **Directions:** An introductory sentence for a brief summary of the passage is provided below. Complete the summary by selected THREE answer choices that express the most important ideas in the passage. Some sentences do not belong in the summary because they express ideas that are not presented in the passage or are minor ideas in the passage. **This question is worth 2 points.**

Drag your answer choices to the spaces where they belong. To remove an answer choice, click on

it.

To review the passage, click **View Text**.

**Navajo art is fundamentally connected to aspects of Navajo ritual and belief.**

**Answer Choices**

- A. Navajo sand paintings are an expression of the close relationship between nature and the spiritual world in Navajo culture
- B. Sand paintings, which help participants in rituals recall traditional chants, are part of ceremonies designed to restore beauty and harmony.
- C. Whereas Navajo sand paintings are associated with male deities. Navajo weaving involves representations of female figures such as Spider Woman.
- D. Individual Navajo sand paintings typically embody the principles of harmony and disorder.
- E. Sand paintings, which are created by Navajo men, are faithful re-creations of earlier works and as such represent the principle of stability.
- F. In Navajo culture, weaving is a female art and is associated with creativity and change.

**Climate of Venus**

Earth has abundant water in its oceans but very little carbon dioxide in its relatively thin atmosphere. By contrast, Venus is very dry and its thick atmosphere is mostly carbon dioxide. The original atmospheres of both Venus and Earth were derived at least in part from gases spewed forth, or outgassed, by volcanoes. The gases that emanate from present-day volcanoes on Earth, such as Mount Saint Helens, are predominantly water vapor, carbon dioxide, and sulfur dioxide. These gases should therefore have been important parts of the original atmospheres of both Venus and Earth. Much of the water on both planets is also thought to have come from impacts from comets, icy bodies formed in the outer solar system.

In fact, water probably once dominated the Venusian atmosphere. Venus and Earth are similar in size and mass, so Venusian volcanoes may well have outgassed as much water vapor as on Earth, and both planets would have had about the same number of comets strike their surfaces. Studies of how stars evolve suggest that the early Sun was only about 70 percent as luminous as it is now, so the temperature in Venus' early atmosphere must have been quite a bit lower. Thus water vapor would have been able to liquefy and form oceans on Venus. But if water

vapor and carbon dioxide were once so common in the atmospheres of both Earth and Venus, what became of Earth's carbon dioxide? And what happened to the water on Venus?

The answer to the first question is that carbon dioxide is still found in abundance on Earth, but now, instead of being in the form of atmospheric carbon dioxide, it is either dissolved in the oceans or chemically bound into carbonate rocks, such as the limestone and marble that formed in the oceans. If Earth became as hot as Venus, much of its carbon dioxide would be boiled out of the oceans and baked out of the crust. Our planet would soon develop a thick, oppressive carbon dioxide atmosphere much like that of Venus.

To answer the question about Venus' lack of water, we must return to the early history of the planet. Just as on present-day Earth, the oceans of Venus limited the amount of atmospheric carbon dioxide by dissolving it in the oceans and binding it up in carbonate rocks. But being closer to the Sun than Earth is, enough of the liquid water on Venus would have vaporized to create a thick cover of water vapor clouds. Since water vapor is a greenhouse gas, this humid atmosphere—perhaps denser than Earth's present-day atmosphere, but far less dense than the atmosphere that envelops Venus today—would have efficiently trapped heat from the Sun. At first, this would have had little effect on the oceans of Venus. Although the temperature would have climbed above 100° C, the boiling point of water at sea level on Earth, the added atmospheric pressure from water vapor would have kept the water in Venus' oceans in the liquid state.

This hot and humid state of affairs may have persisted for several hundred million years. But as the Sun's energy output slowly increased over time, the temperature at the surface would eventually have risen above 374°C. Above this temperature, no matter what the atmospheric pressure, Venus' oceans would have begun to evaporate, and the added water vapor in the atmosphere would have increased the greenhouse effect. This would have made the temperature even higher and caused the oceans to evaporate faster, producing more water vapor. That, in turn, would have further intensified the greenhouse effect and made the temperature climb higher still.

Once Venus' oceans disappeared, so did the mechanism for removing carbon dioxide from the atmosphere. With no oceans to dissolve it, outgassed carbon dioxide began to accumulate in the atmosphere, intensifying the greenhouse effect even more. Temperatures eventually became high enough to "bake out" any carbon dioxide that was trapped in carbonate rocks. This liberated carbon dioxide formed the thick atmosphere of present-day Venus. Over time, the rising temperatures would have leveled off, solar ultraviolet radiation having broken down atmospheric water vapor molecules into hydrogen and oxygen. With all the water vapor gone, the greenhouse effect would no longer have accelerated.

### **Paragraph 1**

Earth has abundant water in its oceans but very little carbon dioxide in its relatively thin atmosphere. By contrast, Venus is very dry and its thick atmosphere is mostly carbon dioxide. The original atmospheres of both Venus and Earth were derived at least in part from gases spewed forth, or outgassed, by volcanoes. The gases that emanate from present-day volcanoes on Earth, such as Mount Saint Helens, are predominantly water vapor, carbon dioxide, and sulfur dioxide. These gases should therefore have been important parts of the original atmospheres of both Venus and Earth. Much of the water on both planets is also thought to have come from

impacts from comets, icy bodies formed in the outer solar system.

1. According to paragraph 1, in what major respect are Venus and Earth different from each other?
  - A. Whether carbon dioxide was present in their original atmospheres
  - B. How thin their original atmospheres were
  - C. What their present-day atmospheres mainly consist of
  - D. How long ago they first developed an atmosphere
  
2. Why does the author mention "present-day volcanoes on Earth"?
  - A. To provide an example of an important difference between present-day Venus and present-day Earth
  - B. To help explain why Earth's atmosphere still contains traces of sulfur dioxide but Venus' does not
  - C. To indicate one source of information about the likely composition of the original atmospheres of Venus and Earth
  - D. To account for the fact that Earth's water supply no longer comes primarily from impacting comets

## **Paragraph 2**

In fact, water probably once dominated the Venusian atmosphere. Venus and Earth are similar in size and mass, so Venusian volcanoes may well have outgassed as much water vapor as on Earth, and both planets would have had about the same number of comets strike their surfaces. Studies of how stars evolve suggest that the early Sun was only about 70 percent as luminous as it is now, so the temperature in Venus' early atmosphere must have been quite a bit lower. Thus water vapor would have been able to liquefy and form oceans on Venus. But if water vapor and carbon dioxide were once so common in the atmospheres of both Earth and Venus, what became of Earth's carbon dioxide? And what happened to the water on Venus?

3. According to paragraph 2, what is one reason for thinking that at one time, there were significant amounts of water on Venus?
  - A. Because of Venus' size and mass, its volcanoes probably produced much more water vapor than volcanoes on Earth did.
  - B. The low temperature of Venus' early atmosphere can be explained only by the presence of water.
  - C. The presence of carbon dioxide in a planet's atmosphere is an indicator of water on that planet.
  - D. Venus probably was struck by roughly as many comets as Earth was.
  
4. The word "luminous" in the passage is closest in meaning to
  - A. dense
  - B. bright
  - C. large
  - D. active

### Paragraph 3

The answer to the first question is that carbon dioxide is still found in abundance on Earth, but now, instead of being in the form of atmospheric carbon dioxide, it is either dissolved in the oceans or chemically bound into carbonate rocks, such as the limestone and marble that formed in the oceans. If Earth became as hot as Venus, much of its carbon dioxide would be boiled out of the oceans and baked out of the crust. Our planet would soon develop a thick, oppressive carbon dioxide atmosphere much like that of Venus.

5. Which of the sentences below best expresses the essential information in the highlighted sentence in the passage? Incorrect choices change the meaning in important ways or leave out essential information.

- A. The first question to be answered is how Earth's atmospheric carbon dioxide either got dissolved in the oceans or got chemically bound into carbonate rocks.
- B. The fact that Earth's abundant carbon dioxide is more often found in carbonate rock than dissolved in the oceans is the answer to the first question.
- C. Earth still has abundant carbon dioxide, but instead of being in the atmosphere it is now dissolved in the oceans or chemically bound into ocean rocks.
- D. The formation of limestone and marble used up the carbon dioxide that was dissolved in Earth's oceans so that only carbon dioxide in atmospheric form remained.

### Paragraph 4

To answer the question about Venus' lack of water, we must return to the early history of the planet. Just as on present-day Earth, the oceans of Venus limited the amount of atmospheric carbon dioxide by dissolving it in the oceans and binding it up in carbonate rocks. But being closer to the Sun than Earth is, enough of the liquid water on Venus would have vaporized to create a thick cover of water vapor clouds. Since water vapor is a greenhouse gas, this humid atmosphere—perhaps denser than Earth's present-day atmosphere, but far less dense than the atmosphere that envelops Venus today—would have efficiently trapped heat from the Sun. At first, this would have had little effect on the oceans of Venus. Although the temperature would have climbed above 100° C, the boiling point of water at sea level on Earth, the added atmospheric pressure from water vapor would have kept the water in Venus' oceans in the liquid state.

6. According to paragraph 4, what is one factor that kept the amount of carbon dioxide in the atmosphere of early Venus relatively low?

- A. The presence of water vapor clouds
- B. The presence of oceans
- C. Rapidly increasing temperatures at ground level
- D. Low atmospheric pressures

### Paragraph 6

Once Venus' oceans disappeared, so did the mechanism for removing carbon dioxide from the atmosphere. With no oceans to dissolve it, outgassed carbon dioxide began to accumulate in

the atmosphere, intensifying the greenhouse effect even more. Temperatures eventually became high enough to "bake out" any carbon dioxide that was trapped in carbonate rocks. This liberated carbon dioxide formed the thick atmosphere of present-day Venus. Over time, the rising temperatures would have leveled off, solar ultraviolet radiation having broken down atmospheric water vapor molecules into hydrogen and oxygen. With all the water vapor gone, the greenhouse effect would no longer have accelerated.

7. The phrase "mechanism for" in the passage is closest in meaning to

- A. means of
- B. importance of
- C. need for
- D. benefits of

#### Paragraph 5

This hot and humid state of affairs may have persisted for several hundred million years. But as the Sun's energy output slowly increased over time, the temperature at the surface would eventually have risen above 374°C. Above this temperature, no matter what the atmospheric pressure, Venus' oceans would have begun to evaporate, and the added water vapor in the atmosphere would have increased the greenhouse effect. This would have made the temperature even higher and caused the oceans to evaporate faster, producing more water vapor. That, in turn, would have further intensified the greenhouse effect and made the temperature climb higher still.

8. The word "persisted" in the passage is closest in meaning to

- A. improved
- B. continued
- C. weakened
- D. evolved

9. According to paragraph 5, what happens when temperatures rise above 374°C?

- A. Atmospheric pressure begins to decrease.
- B. Water vapor disappears from the atmosphere.
- C. Water evaporates regardless of atmospheric pressure.
- D. More energy is required to evaporate a given volume of water.

#### Paragraph 6

Once Venus' oceans disappeared, so did the mechanism for removing carbon dioxide from the atmosphere. With no oceans to dissolve it, outgassed carbon dioxide began to accumulate in the atmosphere, intensifying the greenhouse effect even more. Temperatures eventually became high enough to "bake out" any carbon dioxide that was trapped in carbonate rocks. This liberated carbon dioxide formed the thick atmosphere of present-day Venus. Over time, the rising temperatures would have leveled off, solar ultraviolet radiation having broken down atmospheric water vapor molecules into hydrogen and oxygen. With all the water vapor gone, the greenhouse effect would no longer have accelerated.

10. According to paragraph 6, extremely high temperatures increased the amount of carbon dioxide in Venus' atmosphere by
- A. increasing the rate which carbon dioxide was outgassed
  - B. baking out carbon dioxide from carbonate rocks
  - C. creating additional water vapor
  - D. replacing the previous mechanisms for removing carbon dioxide with less effective ones
11. The passage supports the idea that the basic reason that Venus and Earth are now so different from each other is that
- A. early Venus had more frequent volcanic outgassing than early Earth did
  - B. early Venus had far less liquid water than early Earth did
  - C. volcanic activity stopped relatively early on Venus but continued on Earth
  - D. Venus is closer to the Sun than Earth is

**Paragraph 5**

12. Look at the four squares [■] that indicate where the following sentence could be added to the passage.

**This cycle of rising temperatures following an increase in greenhouse gases is known as the runaway greenhouse effect.**

Where would the sentence best fit? Click on a square [■] to add the sentence to the passage.

This hot and humid state of affairs may have persisted for several hundred million years. But as the Sun's energy output slowly increased over time, the temperature at the surface would eventually have risen above 374°C. [■] Above this temperature, no matter what the atmospheric pressure. Venus' oceans would have begun to evaporate, and the added water vapor in the atmosphere would have increased the greenhouse effect. [■] This would have made the temperature even higher and caused the oceans to evaporate faster, producing more water vapor. [■] That, in turn, would have further intensified the greenhouse effect and made the temperature climb higher still. [■]

13. **Directions:** Select from the seven phrases below the 2 phrases that correctly characterize early Venus and the 3 phrases that correctly characterize present-day Venus. Drag each phrase you select into the appropriate column of the table. Two of the phrases will NOT be used. **This question is worth 3 points.**

Drag your answer choices to the spaces where they belong. To remove an answer choice, click on it.

To review the passage, click **VIEW TEXT**.

## **Early Venus**

## **Present-day Venus**

### **Answer Choices**

- A. High percentage of water vapor in the atmosphere
- B. Carbon dioxide present only in atmospheric form
- C. An atmosphere quite similar to that of early Earth
- D. Very dense but relatively cool atmosphere
- E. Completely covered with water
- F. Complete absence of surface water
- G. Essentially stable temperatures

## **Trade and Early State Formation**

Bartering was a basic trade mechanism for many thousands of years; often sporadic and usually based on notions of reciprocity, it involved the mutual exchange of commodities or objects between individuals or groups. Redistribution of these goods through society lay in the hands of chiefs, religious leaders, or kin groups. Such redistribution was a basic element in chiefdoms. The change from redistribution to formal trade—often based on regulated commerce that perhaps involved fixed prices and even currency—was closely tied to growing political and social complexity and hence to the development of the state in the ancient world.

In the 1970s, a number of archaeologists gave trade a primary role in the rise of ancient states. British archaeologist Colin Renfrew attributed the dramatic flowering of the Minoan civilization on Crete and through the Aegean to intensified trading contacts and to the impact of olive and vine cultivation on local communities. As agricultural economies became more diversified and local food supplies could be purchased both locally and over longer distances, a far-reaching economic interdependence resulted. Eventually, this led to redistribution systems for luxuries and basic commodities, systems that were organized and controlled by Minoan rulers from their palaces. As time went on, the self-sufficiency of communities was replaced by mutual dependence. Interest in long-distance trade brought about some cultural homogeneity from trade and gift exchange, and perhaps even led to piracy. Thus, intensified trade and interaction, and the flowering of specialist crafts, in a complex process of positive feedback, led to much more complex societies based on palaces, which were the economic hubs of a new Minoan civilization.

Renfrew's model made some assumptions that are now discounted. For example, he argued that the introduction of domesticated vines and olives allowed a substantial expansion of land under cultivation and helped to power the emergence of complex society. Many archaeologists and paleobotanists now question this view, pointing out that the available evidence for cultivated vines and olives suggests that they were present only in the later Bronze Age. Trade, nevertheless, was probably one of many variables that led to the emergence of palace economies in Minoan Crete.

American archaeologist William Rathje developed a hypothesis that considered an explosion in long-distance exchange a fundamental cause of Mayan civilization in Mesoamerica. He suggested that the lowland Mayan environment was deficient in many vital resources, among them obsidian, salt, stone for grinding maize, and many luxury materials. All these could be obtained from the nearby highlands, from the Valley of Mexico, and from other regions, if the necessary trading networks came into being. Such connections, and the trading expeditions to maintain them, could not be organized by individual villages. The Maya lived in a relatively uniform environment, where every community suffered from the same resource deficiencies. Thus, argued Rathje, long-distance trade networks were organized through local ceremonial centers and their leaders. In time, this organization became a state, and knowledge of its functioning was exportable, as were pottery, tropical bird feathers, specialized stone materials, and other local commodities.

Rathje's hypothesis probably explains part of the complex process of Mayan state formation, but it suffers from the objection that suitable alternative raw materials can be found in the lowlands. It could be, too, that warfare became a competitive response to population growth and to the increasing scarcity of prime agricultural land, and that it played an important role in the emergence of the Mayan states.

Now that we know much more about ancient exchange and commerce, we know that, because no one aspect of trade was an overriding cause of cultural change or evolution in commercial practices, trade can never be looked on as a unifying factor or as a primary agent of ancient civilization. Many ever-changing variables affected ancient trade, among them the demand for goods. There were also the logistics of transportation, the extent of the trading network, and the social and political environment. Intricate market networks channeled supplies along well-defined routes. Authorities at both ends might regulate the profits fed back to the source, providing the incentive for further transactions. There may or may not have been a market organization. Extensive long-distance trade was a consequence rather than a cause of complex societies.

### **Paragraph 1**

Bartering was a basic trade mechanism for many thousands of years; often sporadic and usually based on notions of reciprocity, it involved the mutual exchange of commodities or objects between individuals or groups. Redistribution of these goods through society lay in the hands of chiefs, religious leaders, or kin groups. Such redistribution was a basic element in chiefdoms. The change from redistribution to formal trade—often based on regulated commerce that perhaps involved fixed prices and even currency—was closely tied to growing political and

social complexity and hence to the development of the state in the ancient world.

1. The word "notions" in the passage is closest in meaning to
  - A. ideas
  - B. rules
  - C. degrees
  - D. traditions
  
2. According to paragraph 1, what development occurred as political and social complexity increased?
  - A. The prices of most commodities rose.
  - B. Formal trade emerged.
  - C. Chiefs became more powerful
  - D. Bartering became the preferred means of trade.

## Paragraph 2

In the 1970s, a number of archaeologists gave trade a primary role in the rise of ancient states. British archaeologist Colin Renfrew attributed the dramatic flowering of the Minoan civilization on Crete and through the Aegean to intensified trading contacts and to the impact of olive and vine cultivation on local communities. As agricultural economies became more diversified and local food supplies could be purchased both locally and over longer distances, a far-reaching economic interdependence resulted. Eventually, this led to redistribution systems for luxuries and basic commodities, systems that were organized and controlled by Minoan rulers from their palaces. As time went on, the self-sufficiency of communities was replaced by mutual dependence. Interest in long-distance trade brought about some cultural homogeneity from trade and gift exchange, and perhaps even led to piracy. Thus, intensified trade and interaction, and the flowering of specialist crafts, in a complex process of positive feedback, led to much more complex societies based on palaces, which were the economic hubs of a new Minoan civilization.

3. The word "diversified" in the passage is closest in meaning to
  - A. organized
  - B. selective
  - C. varied
  - D. efficient
  
4. According to paragraph 2, which of the following controlled the systems of redistribution of goods in ancient Crete?
  - A. Local community leaders
  - B. Olive growers
  - C. Minoan rulers
  - D. Long-distance traders
  
5. According to paragraph 2, Renfrew believed that one effect of long-distance trade in the Aegean was

- A. a greater effort to control piracy
- B. greater cultural similarity throughout the region
- C. a decline in local olive production
- D. a decline in the use of luxuries for gift exchanges

**Paragraph 3**

Renfrew's model made some assumptions that are now discounted. For example, he argued that the introduction of domesticated vines and olives allowed a substantial expansion of land under cultivation and helped to power the emergence of complex society. Many archaeologists and paleobotanists now question this view, pointing out that the available evidence for cultivated vines and olives suggests that they were present only in the later Bronze Age. Trade, nevertheless, was probably one of many variables that led to the emergence of palace economies in Minoan Crete.

6. According to paragraph 3, what was a major problem with Renfrew's model?
- A. He overlooked the fact that only the Minoan palaces had access to domesticated vines and olives.
  - B. He wrongly assumed that the introduction of domesticated vines and olives led to the cultivation of more land.
  - C. Trade in domesticated plants was much more important to the emergence of Minoan palace economies than he thought.
  - D. Domesticated vines and olives do not appear to have been available as early as he thought

**Paragraph 4**

American archaeologist William Rathje developed a hypothesis that considered an explosion in long-distance exchange a fundamental cause of Mayan civilization in Mesoamerica. He suggested that the lowland Mayan environment was deficient in many vital resources, among them obsidian, salt, stone for grinding maize, and many luxury materials. All these could be obtained from the nearby highlands, from the Valley of Mexico, and from other regions, if the necessary trading networks came into being. Such connections, and the trading expeditions to maintain them, could not be organized by individual villages. The Maya lived in a relatively uniform environment, where every community suffered from the same resource deficiencies. Thus, argued Rathje, long-distance trade networks were organized through local ceremonial centers and their leaders. In time, this organization became a state, and knowledge of its functioning was exportable, as were pottery, tropical bird feathers, specialized stone materials, and other local commodities.

7. According to paragraph 4, which of the following was true about ancient Mayan communities?
- A. They each created their own separate trading networks with communities in the nearby highlands.
  - B. They all had many luxury materials that they were able to trade for resources that they lacked.
  - C. They all needed to obtain a number of important materials through trade with other regions.
  - D. They all gradually reduced their trading activities with communities in the Valley of Mexico and developed trading networks with other regions.

8. What can be inferred from the fact that the Maya lived in a “relatively uniform environment”?
- A. The communities could not obtain resources they lacked by trading with each other.
  - B. The communities’ ceremonial centers were all organized in much the same way.
  - C. Increased competition between the communities to export their local commodities expanded commercial networks beyond the nearby highlands.
  - D. Different communities tended to specialize in the production of different commodities.

#### **Paragraph 5**

Rathje’s hypothesis probably explains part of the complex process of Mayan state formation, but it suffers from the objection that suitable alternative raw materials can be found in the lowlands. It could be, too, that warfare became a competitive response to population growth and to the increasing scarcity of prime agricultural land, and that it played an important role in the emergence of the Mayan states.

#### **Paragraph 4**

American archaeologist William Rathje developed a hypothesis that considered an explosion in long-distance exchange a fundamental cause of Mayan civilization in Mesoamerica. He suggested that the lowland Mayan environment was deficient in many vital resources, among them obsidian, salt, stone for grinding maize, and many luxury materials. All these could be obtained from the nearby highlands, from the Valley of Mexico, and from other regions, if the necessary trading networks came into being. Such connections, and the trading expeditions to maintain them, could not be organized by individual villages. The Maya lived in a relatively uniform environment, where every community suffered from the same resource deficiencies. Thus, argued Rathje, long-distance trade networks were organized through local ceremonial centers and their leaders. In time, this organization became a state, and knowledge of its functioning was exportable, as were pottery, tropical bird feathers, specialized stone materials, and other local commodities.

9. The word “prime” in the passage is closest in meaning to

- A. low-lying
- B. easily accessible
- C. unused
- D. high-quality

10. What is the role of paragraph 5 in relation to paragraph 4?

- A. It restates the hypothesis presented in paragraph 4 and reinforces it with further evidence.
- B. It presents evidence that the hypothesis discussed in paragraph 4 confuses cause and effect.
- C. It presents a critical assessment of the hypothesis presented in paragraph 4.
- D. It explains how the hypothesis discussed in paragraph 4 was initially formulated.

#### **Paragraph 6**

Now that we know much more about ancient exchange and commerce, we know that, because no one aspect of trade was an overriding cause of cultural change or evolution in commercial practices, trade can never be looked on as a unifying factor or as a primary agent of

ancient civilization. Many ever-changing variables affected ancient trade, among them the demand for goods. There were also the logistics of transportation, the extent of the trading network, and the social and political environment. Intricate market networks channeled supplies along well-defined routes. Authorities at both ends might regulate the profits fed back to the source, providing the incentive for further transactions. There may or may not have been a market organization. Extensive long-distance trade was a consequence rather than a cause of complex societies.

11. Which of the sentences below best expresses the essential information in the highlighted sentence in the passage? Incorrect choices change the meaning in important ways or leave out essential information.

- A. We now know that ancient trade cannot be considered a main factor in the rise of civilization, because no one aspect of it caused change in culture or commercial practices.
- B. We now know that the growth of civilization was an important factor in causing cultural change and in improving commercial practices.
- C. We now know much more about how ancient trade and commerce led to cultural changes and the evolution of commercial practices.
- D. We now know much more about the main factors and agents that led to ancient civilization, because we know what aspects of trade affected culture and commercial practices.

12. According to paragraph 6, all of the following statements about trade in ancient civilizations are true EXCEPT:

- A. The spread of trade was influenced by many variables, none of which was the main cause.
- B. Political conditions were more important than demand for goods in the development of trade.
- C. Some markets had clearly established trading routes.
- D. The regulation of profits provided incentives for future trade.

13. Look at the four squares [■] that indicate where the following sentence could be added to the passage.

**But demand for locally unobtainable resources was clearly only a part of the story.**

Where would the sentence best fit? Click on a square [■] to add the sentence to the passage.

Now that we know much more about ancient exchange and commerce, we know that, because no one aspect of trade was an overriding cause of cultural change or evolution in commercial practices, trade can never be looked on as a unifying factor or as a primary agent of ancient civilization. [■] Many ever-changing variables affected ancient trade, among them the demand for goods. [■] There were also the logistics of transportation, the extent of the trading network, and the social and political environment. [■] Intricate market networks channeled supplies along well-defined routes. [■] Authorities at both ends might regulate the profits fed back to the source, providing the incentive for further transactions. There may or may not have been a market organization. Extensive long-distance trade was a consequence rather

than a cause of complex societies.

**14. Directions:** An introductory sentence for a brief summary of the passage is provided below. Complete the summary by selecting the THREE answer choices that express the most important ideas in the passage. Some sentences do not belong in the summary because they express ideas that are not presented in the passage or are minor ideas in the passage. **This question is worth 2 points.**

Drag your answer choices to the spaces where they belong. To remove an answer choice, click on it.

To review the passage, click **VIEW TEXT**.

**Various attempts have been made to explore the role that trade played in the rise of ancient states.**

**Answer Choices**

- A. Barter, a basic trade mechanism that involved the direct exchange of goods or services, depended on a high degree of social complexity.
- B. It was only in the 1970s that most archaeologists began to realize that the long-distance trade typical of Minoan communities varied significantly from that of lowland Mayan communities.
- C. Renfrew and Rathje are recognized today for having correctly analyzed the basic relationship between trade and the emergence of states, even though they were wrong about many details.
- D. Renfrew suggested that an organized state emerged in Minoan Crete because of intensified trade, but current views indicate that trade was probably only one of many variables.
- E. Rathje's hypothesis that long-distance trade led to the emergence of a Mayan state has been objected to, and it is argued that other factors such as warfare may have played an important role too.
- F. Current views indicate that trade was not the most important agent of ancient civilization and that long-distance trade was a result rather than a cause of complex societies.

TPO 41 阅读题答案

阅读 1

1-5, BDCDB    6-10, BADAA    11-13 DCD  
14. BEF

阅读 2

1-5, CCDBC    6-10, BABCB    11-12. D D  
13. Early Venus    AC ;    Present-day Venus    BEG

阅读 3

1-5, ABCCB    6-10, DCADC    11-13, ABB  
14. DEF

# Listening

## TPO 41

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Conversation1



QUESTIONS

1. What does the professor talk about with the man?

- a. Reasons the man should work at the field station next summer instead of working independently
- b. Reasons the man should change the focus of his independent study project
- c. Projects that the man has permission to work on next summer
- d. Whether the man would be willing to cooperate on a project with another student

**2. What does Professor Garfield suggest the student do during the spring term?**

- a. Take a particular class
- b. Modify his research topic
- c. Pay the field-station program fee
- d. Begin collecting data

**3. What do the student and John Arnold have in common?**

**Click on 2 answers.**

- a. They were both on the waiting list for the summer field program.
- b. They will both be doing research involving salt marshes.
- c. They often volunteer to help restore salt marshes.
- d. They live in the same university dormitory.

**4. What does the professor say is the main topic of John Arnold's research?**

- a. Establishing size recommendations for salt marsh habitats
- b. The relationship between bridge size and the flow of tidal waters
- c. How the vegetation of coastal habitats is affected by the restoration of salt marshes
- d. Ways of assessing levels of stress on salt-marsh habitats

**5.What can be inferred about the student when he says this:** 

- a. He cannot participate at the field station because of a prior commitment.
- b. He is unsure if he will earn enough course credits before the summer.
- c. He prefers to do the independent study instead of working at the field station
- d. He thinks he may not have enough time to complete the required work over the summer.



## succulent plants

### QUESTIONS

#### 1. What is the lecture mainly about?

- a. The growth rates of plants in different geographical regions
- b. Different ways that plants have adapted to desert environments
- c. The different mechanisms that plant roots use to absorb water
- d. Different kinds of succulent plants

#### 2. What are two features of succulent plants that help them survive in deserts?

Click on 2 answers.

- a. Succulent plants store water in their leaves and stems.
- b. Succulent plants become dormant until the next rainfall.
- c. Succulent plants have short stems.
- d. Succulent plants have few leaves.

#### 3. Why does the professor mention bears?

- a. To remind students of information from a previous lecture
- b. To point out a feature common to all desert plants
- c. To reinforce a point about drought-tolerant plants
- d. To help students understand the concept of adaptation

**4. What is one ability that drought-tolerant plants have that succulent plants do not have?**

- a. a. The ability to absorb water from dry soil
- b. The ability to absorb water through their leaves
- c. The ability to prevent moisture from being lost through their leaves
- d. The ability to shed leaves

**5. Why can annual plants grow in a desert even after a year of no rainfall?**

- a. Annual plants have an extensive root system that can absorb water from far away.
- b. Annual plants produce seeds all year long.
- c. Seeds of annual plants can store water for a long time.
- d. Seeds of annual plants can survive in the ground for a long time without water.



**6. Why does the professor say this :**

- a. To correct a previous statement
- b. To acknowledge a potentially surprising fact
- c. To anticipate the types of questions that students might have about the topic
- d. To make sure that students are paying attention



## John Pintard

### QUESTIONS

**1. What is the lecture mainly about?**

- a. The growth and influence of historical institutions in the early United States
- b. Facts and myths about Christopher Columbus
- c. New information about events that occurred during Columbus' explorations
- d. How Columbus' story was used to help create a national identity for the United States

**2. According to the professor, why did John Pintard promote the commemoration of the three hundredth anniversary of Columbus' landing?**

- a. To encourage patriotism
- b. To demonstrate his own wealth and influence
- c. To lessen the influence held by the leaders of the American revolution
- d. To correct what he claimed were mistaken beliefs about Columbus

**3. What were two contributing factors to the selection of Columbus as a United States**

national hero?

**Click on 2 answers.**

- a. His writings were popular at the time
- b. He had no connection to the rulers of Britain.
- c. The leaders of the revolution did not want to be considered heroes.
- d. Few people were more famous in the early years of the United States.

**4. What does the professor imply about the facts of Columbus' life?**

- a. They were not relevant for Pintard's purposes.
- b. They are an important part of early United States history.
- c. They are not presented accurately in Columbus' own writings.
- d. They were researched thoroughly before his selection as a national hero

**5. What is the professor's attitude toward studying what she calls the "mythical Columbus"?**

- a. It is a good way to discover facts about Columbus' explorations.
- b. It is a way to learn about the society that created the myth.
- c. It is likely to cause confusion among those who want to learn United States history.
- d. It is not as interesting as doing research into the writings of Columbus.



**6. Why does the student say this:**

- a. To question the accuracy of the professor's statement
- b. To ask for examples of mistaken beliefs about Columbus
- c. To propose an alternative explanation
- d. To find out if he understood the professor's point

**Conversation2**



## **QUESTIONS**

**1. What are the speakers mainly discussing?**

- a. The procedures for applying for different types of scholarships
- b. Where the man must go to submit his financial-aid application
- c. How students can get help paying their tuition
- d. Various organizations that offer work-study programs

**2. What is the woman's opinion of the work-study program?**

- a. It does not provide as much financial flexibility as a regular job does.
- b. It is more difficult to apply for than other types of financial aid.
- c. It should offer more jobs that would appeal to dental students.
- d. It should allow students to choose where they want to work.

**3. Why does the woman mention civic clubs, foundations, and large corporations?**

- a. To suggest organizations the man should visit to learn about scholarships
- b. To give some examples of organizations that offer scholarships
- c. To explain why some scholarships are very competitive
- d. To point out that it is appropriate to use scholarship money from multiple sources

**4. Why does the woman ask the student about his career plans?**

- a. She might be able to help him find a job related to the profession he is pursuing.
- b. Some scholarships are connected to particular fields of study.
- c. He cannot receive financial aid without having a career plan.
- d. She wants to find out which campus library is best equipped to help him.

**5. Why does the woman suggest that the student speak to a university librarian?**

- a. A librarian might have more time to help the student than she does.
- b. Librarians work hard to maintain a complete listing of financial-aid resources.
- c. Librarians are trained to help students fill out a variety of applications.
- d. A librarian could help the student find the information he is looking for more quickly.

**Lecture 3(Art History)**



## QUESTIONS

### 1. What does the professor mainly discuss?

- a. The process art historians use to determine who created Renaissance artworks
- b. Whether collaborative artworks are superior to those produced individually
- c. The way that art was created during the Renaissance
- d. The development of artistic individuality during the Renaissance

### 2. According to the professor, what factors may have led to a Renaissance artist's decision to hire assistants?

Click on 2 answers.

- a. The number of commissions an artist accepted
- b. The scale of the project to be completed
- c. The amount of money to be paid for the project
- d. The amount of advice needed from other artists

### 3. Why does the professor mention someone who painted animals in Raphael's workshop?

- a. As an example of how artists learned by painting real-life models
- b. As an example of paintings that were copied from sculptures
- c. As an example of how assistants specialized in different types of painting
- d. As an example of how an assistant introduced an artistic innovation

**4. According to the professor, how is a building project like a ballet?**

- a. Strong leadership is necessary to coordinate the work.
- b. Everyone needs to be aware of what the others are doing.
- c. Everyone needs to be doing the same thing at the same time.
- d. The result depends on the level of skill of each person involved.

**5. Why does the professor mention that in architecture, instructions were usually given orally?**

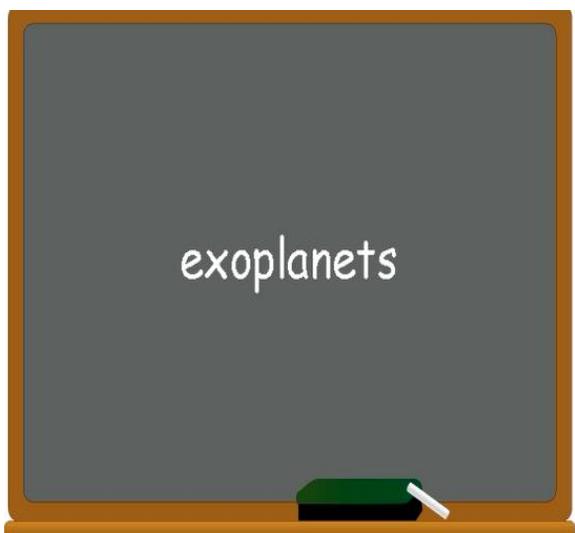
**Click on 2 answers.**

- a. To emphasize that architectural designs were constantly changing
- b. To demonstrate the extent of the collaboration between master architects and their assistants
- c. To explain why there is little documentation for many projects
- d. To stress the difficulty in determining any given artisan's contributions to a project

**6. What does the professor imply about the process of producing architecture collaboratively?**

- a. It was a result of patrons' believing in an architect's individual genius.
- b. It resulted in extra expense for the patrons.
- c. It was simpler than producing sculpture collaboratively.
- d. It often resulted in less innovation than the architect intended.

**Lecture 4(Astronomy)**





## QUESTIONS

**1. What do the speakers mainly discuss?**

- a. Whether life could exist outside a star's habitable zone
- b. Techniques used by researchers to detect exoplanets
- c. Exoplanets that share certain characteristics with Earth
- d. Characteristics of several recently discovered red dwarf stars

**2. What does the professor say about the host star Gliese 581?**

**Click on 2 answers.**

- a. It is larger than the Sun.
- b. It is cooler than the Sun.
- c. It is a relatively young star.
- d. It is relatively close to Earth.

**3.What does the professor suggest about life on other planets?**

- a. It most likely does not exist.
- b. It probably will not be discovered in the near future.
- c. It probably would not be similar to life on Earth.
- d. It could possibly be found even on gas giants.

**4. What did researchers discover about the planet Gliese 581 d when they reexamined it?**

- a. It is made entirely of rocks.
- b. It is not able to support an ocean.
- c. It is smaller than previously thought.
- d. It is closer to its host star than previously thought.

**5. Why is the planet Gliese 581 e unlikely to support carbon-based life?**

- a. It is too hot.
- b. It is too small.
- c. It is covered in ice.
- d. It is made entirely of gas.

**6. What does the professor find most exciting about the discovery of the planet Gliese 581 e?**

- a. It showed that some exoplanets have an atmosphere like Earth's.
- b. It helped researchers better understand exoplanets' orbits.
- c. It showed that the technology exists to detect small exoplanets.
- d. It proved that some stars' habitable zones are larger than once thought.

TPO41 听力答案

Conversation 1

1-2 CA 3BD 4-5 BD

Lecture 1

1B 2AD 3-6CADB

Lecture 2

1-2DA 3BC 4-6ABD

Conversation 2

1 -5CABBD

Lecture 3

1 C 2 AB 3-4CB 5CD 6D

Lecture 4

1C 2BD 3-6DAC

## Speaking

TPO-41

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**TASK 1 Independent Speaking, Personal Preference**

Talk about a famous person that you admire. Explain why you respect this person.

## **TASK 2** Independent Speaking, Paired Choice

Some people believe it is important for university to provide funding for student entertainment, such as movies or concerts on campus. Others believe that university money should only be used for academic purposes. Which view do you agree with? Explain why.

## **TASK 3** Integrated Reading/Listening/Speaking



### **Final Project**

The final project for this course will be an oral presentation. Students must work with an assigned partner to select a topic and complete all related research for the project. The partners will orally present their research to the class during the last two weeks of classes. This project will provide students with the opportunity to discover the rewards and challenges of working with another individual, an experience that will help them in future endeavors. Furthermore, these presentations will benefit the entire class: when students share their discoveries with the class, they enable other students to learn from their work.

The woman expresses her opinion about the assignment. State her opinion and explain the reasons she gives for holding that opinion.

## **TASK 4** Integrated Reading/Listening/Speaking



### Primacy Effect

When people form opinions about a person or a situation, those opinions are likely to be based on first impressions, on an initial assessment of the person or situation. In other words, the opinions we have of people or situations tend to be based much more on the first information we learn about them than on information we learn later. This tendency is called the primacy effect. Researchers believe that the primacy effect occurs because after people have made an initial judgment, they tend to notice evidence that supports that judgment, and disregard or fail to notice evidence that contradicts it.

Using the two examples from the professor's lecture, explain what is meant by "the primacy effect" and how it can affect our opinions.

### TASK 5 Integrated Listening/Speaking



The speakers discuss two possible solutions to the woman's problem. Briefly summarize the problem. Then state which solution you recommend and explain why.

#### **TASK 6** Integrated Listening/Speaking



Using points and examples from the talk, explain why play is important for a child's development.

## **Writing**

TOP-41

## **TASK 1 Integrated Writing**



Burning coal in power plants produces a waste product called coal ash, a material that contains small amounts of potentially harmful chemicals. Environmentalists in the United States are concerned about the damage such harmful chemicals may be doing to the environment and suggest that the United States government should create new, much stricter regulations for handling and storing coal ash.

However, representatives of power companies take the opposite view: they argue that new regulations are unnecessary and might actually have negative consequences. They use the following arguments to support their position

### **Regulations Exist**

First, power company representatives point out that effective environmental regulations already exist. For example, one very important regulation requires companies to use liner—special material that prevents coal ash components from leaking into the soil and contaminating the surrounding environment. Companies that dispose of coal ash in disposal ponds or landfills must use **liner** in every new pond or landfill they build.

### **Concerns About Recycling Coal Ash**

Second, some analysts predict that creating very strict rules for storing and handling coal ash might discourage the recycling of coal ash into other products. Currently, a large portion of coal ash generated by power plants is recycled: it is used, for example, in building materials such as concrete and bricks. Recycling coal ash reduces the need to dispose of it in other ways and presents no environmental danger. However, if new, stricter rules are adopted for handling coal ash, consumers may become concerned that recycled coal ash products are just too dangerous, and may stop buying the products.

### **Increased Cost**

Finally, strict new regulations would result in a significant increase in disposal and handling costs for the power companies—perhaps as much as ten times the current costs. Power companies would be forced to increase the price of electricity, which would not be welcomed by the general public.

**Directions**

*You have 20 minutes to plan and write your response. Your response will be judged on the basis of the quality of your writing and on how well your response presents the points in the lecture and their relationship to the reading passage. Typically, an effective response will be 150 to 225 words.*

*Essay Topic*

**Summarize the points made in the lecture, being sure to explain how they change the specific arguments presented in the reading passage.**

*You must finish your answer in 20 minutes*

**TASK 2 Independent Writing****Directions**

*Read the question below. You have 30 minutes to plan, write, and revise your essay. Typically, an effective response will contain a minimum of 300 words.*

**Question:***Essay Topic*

Do you agree or disagree with the following statement?

**Teacher were more appreciated and valued by society in the past than they were nowadays.**

Use specific reasons and examples to support your answer.