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Thinking about the Text

1. Here are some headings for paragraphs in the text. Write the number(s) of the paragraph(s) for each title against the heading. The first one is done for you.

- | | |
|--|---------------------------------------|
| (i) Einstein's equation | <input checked="" type="checkbox"/> 9 |
| (ii) Einstein meets his future wife | <input type="checkbox"/> |
| (iii) The making of a violinist | <input type="checkbox"/> |
| (iv) Mileva and Einstein's mother | <input type="checkbox"/> |
| (v) A letter that launched the arms race | <input type="checkbox"/> |
| (vi) A desk drawer full of ideas | <input type="checkbox"/> |
| (vii) Marriage and divorce | <input type="checkbox"/> |

Answer:

- (i) 9
- (ii) 7
- (iii) 3
- (iv) 10
- (v) 15
- (vi) 8
- (vii) 11

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2. Who had these opinions about Einstein?

- (i) He was boring.
- (ii) He was stupid and would never succeed in life.
- (iii) He was a freak.

Answer:

- (i) Einstein's playmates thought that he was boring.
- (ii) Einstein's headmaster thought that he was stupid and would never succeed at anything in life.
- (iii) Einstein's mother thought that he was a freak.

3. Explain what the reasons for the following are.

- (i) Einstein leaving the school in Munich for good.
- (ii) Einstein wanting to study in Switzerland rather than in Munich.
- (iii) Einstein seeing in Mileva an ally.
- (iv) What do these tell you about Einstein?

Answer:

- (i) Einstein left the school in Munich for good because he hated the school's regimentation.
- (ii) Einstein wanted to study in Switzerland rather than in Munich because it was a more liberal city.
- (iii) Einstein found in Mileva an ally because she, like him,

disapproved of the “philistines” or the people who did not like art, literature or music.

(iv) These told about Einstein that he loved freedom. He was liberal and cultured person.

4. What did Einstein call his desk drawer at the patent office? Why?

Answer:

Einstein called his desk drawer at the patent office the “bureau of theoretical physics”. This was because the drawer was where he used to store his secretly developed ideas.

5. Why did Einstein write a letter to Franklin Roosevelt?

Answer:

Einstein wrote a letter to Franklin Roosevelt to warn about bomb effect and also wanted to encourage them to make a bomb to utilize its destruction potential.

6. How did Einstein react to the bombing of Hiroshima and Nagasaki?

Answer:

Einstein was deeply shaken by the disaster in the Hiroshima and Nagasaki. He wrote a public missive to the United. He proposed the formation of a world government to stop the nuclear weapons.

7. Why does the world remember Einstein as a “world citizen”?

Answer:

Einstein is remembered as a “world citizen” as much as a genius scientist because of his efforts towards world peace and democracy, and for his crusade against the use of arms.

8. Here are some facts from Einstein’s life. Arrange them in chronological order.

[] Einstein publishes his special theory of relativity.

[] He is awarded the Nobel Prize in Physics.

[] Einstein writes a letter to U.S. President, Franklin D. Roosevelt, and warns against Germany’s building of an atomic bomb.

[] Einstein attends a high school in Munich.

[] Einstein’s family moves to Milan.

[] Einstein is born in the German city of Ulm.

[] Einstein joins a university in Zurich, where he meets Mileva.

[] Einstein dies.

[] He provides a new interpretation of gravity.

[] Tired of the school’s regimentation, Einstein withdraws from school.

[] He works in a patent office as a technical expert.

[] When Hitler comes to power, Einstein leaves Germany for the United States.

Answer:

[1] Einstein is born in the German city of Ulm.

[2] Einstein attends a high school in Munich.

[3] Einstein’s family moves to Milan.

[4] Tired of the school’s regimentation, Einstein withdraws from school.

[5] Einstein joins a university in Zurich, where he meets Mileva.

[6] He works in a patent office as a technical expert.

[7] Einstein publishes his special theory of relativity.

[8] He provides a new interpretation of gravity.

[9] He is awarded the Nobel Prize in Physics.

[10] When Hitler comes to power, Einstein leaves Germany for the United States.

[11] Einstein writes a letter to U.S. President, Franklin D. Roosevelt, and warns against Germany’s building of an atomic bomb.

[12] Einstein dies.

***** END *****

