***UNIT 2***

***Week 4***

***Quiz***



***Stargazing***

Many people enjoy looking at the night sky. Some people might want a closer look at the stars and planets. A telescope lets you view these objects more closely. It takes preparation for a night of looking at the stars. Here are some tips for enjoying the night sky.

Before using your telescope, you should do some planning. You need to wait for a clear night without many clouds and when the moon is not very full. You might think that a full moon will help you see more stars, but the moon’s brilliance can make it difficult to see some stars. Wait for a night when there is more darkness.

Decide where to set up your telescope. A good location would be very dark and far from buildings. It is important to make sure the area you choose is safe. The tripod holding the telescope should stand on solid, level ground. A telescope is fragile and not very sturdy, and it can break easily if it falls.

Now you are ready to set up your telescope. The first basic step is to open the tripod’s legs and to make sure they are planted firmly on the ground. This will keep the image in the telescope steady. Next, attach the long tube to the tripod mount. Then attach the low-power eyepiece, which is marked with the highest number. This eyepiece makes the telescopic images sharper. Then attach the finderscope, which is the little spotting scope on the top of  
the telescope. Now, look through the eyepiece. Move the lens until the image is not blurry.

Star maps will help you identify the objects you locate in the night sky. Monthly star maps tell which stars and planets can be seen. A star map shows the entire night sky. The center of the map is the part of the sky that is directly overhead. Hold the star map so that the direction you are facing is the direction written at the bottom of the map. Then look up and see if you can find a star or group of stars that match the stars on the map. Star maps list stars that can be seen with or without a telescope.

With practice, you can look for more challenging objects, such as galaxies. Looking at the stars can be fun for people of all ages.

A telescope is put together in a certain sequence. Click and drag the steps into the correct order, as explained by the article.

* **Open the tripod's legs and plant them on the ground.**
* **Attach the long tube to the tripod mount.**
* **Attach the low-power eyepiece.**
* **Attach the finderscope.**
* **Move the lens to focus the image.**

Pick**two** things that must be done **before** setting up your telescope.

****A. Set up the finderscope.

****B. Choose a well-lit area.

****C. Wait for a clear night.

****D. Look for a full moon.

****E. Find a safe spot.

****F. Use a star map.

Read the sentences from the article.

The tripod holding the telescope should stand on solid, level ground. A telescope is fragile and not very sturdy, and it can break easily if it falls.

Which word from the sentence has the **opposite** meaning of fragile?

****A. level

****B. sturdy

****C. easily

****D. falls

This question has two parts. First, answer Part A. Then, answer Part B.

**Part A**

Read the sentences from the article.

You might think that a full moon will help you see more stars, but the moon's *brilliance* can make it difficult to see some stars. Wait for a night when there is more darkness.

What does the word *brilliance* mean in the sentences?

****A.distance

****B.light

****C.shape

****D.size

**Part B**

Which word from the sentences means the **opposite** of *brilliance*?

****A.full

****B.stars

****C.difficult

****D.darkness

This question has two parts. First, answer Part A. Then, answer Part B.

### Part A

When using a star map, what must be done **before** looking at the sky?

****A. You must find planets and stars.

****B. You must hold the map correctly.

****C. You must look for faraway galaxies.

****D. You must loosen the telescope's eyepiece.

### Part B

Which text from the article **best** supports your answer in part A?

****A. "Star maps will help you identify the objects you locate in the night sky."

****B. "A star map shows the entire night sky. The center of the map is the part of the sky that is directly overhead."

****C. "Hold the star map so that the direction you are facing is the direction written at the bottom of the map. Then look up and see if you can find a star or group of stars that match the stars on the map."

****D. "Star maps list stars that can be seen with or without a telescope."

Select the correct word from the drop-down menu.

That day, I had the             fun I have ever had!

Select the **best** definition of the form of the word magnify as used in the sentence.

When you look at something with an electron microscope, you can see details magnified to a million or more times what you can see with your own eyes.

****A. to make things very far away appear very close up

****B. to make something look much smaller than it really is

****C. to make something look much larger than it really is

****D. to make something very close up look very far away

Choose the correctly spelled word to complete each sentence.

My brother went to the barber / barbar shop to get his hair cut.

There is a strong oder / odor coming from that room and it smells horrible.

The boats sit in the harber / harbor when they are not being used.

Choose the correct vocabulary word from each drop-down menu to complete the sentences.

After a day on the beach, my swimsuit and towel were very          .

The scientist           one substance into another.

A climber will           to parts of rocks and cliffs to prevent falling.

Choose the correctly spelled word to complete each sentence.

I held my camera at an angel / angle so that I could get a good picture.

On the way to the store, Jenny past / passed someone she knew on the street.