



Name _____ Class _____ Date _____

1 A star's **brightness** depends in part on its distance from Earth. How **bright** a star **appears to observers on Earth** is called the star's _____.

Circle the answer letter.

- a. absolute magnitude
- b. apparent magnitude
- c. first magnitude



6 When a star has **consumed all its hydrogen**, its **core shrinks** and its surface expands. It is very cool compared to other stars. These **stars** are known as _____.

- a. red dwarf stars
- b. blue dwarf stars
- c. red giants



2 The **composition of stars** is a list of elements that make up that star. The composition is determined by **studying the light** the star gives off. Circle the



7 A **gas cloud in a galaxy** in which stars can form is called a _____.

- a. quasar
- b. globular cluster



PREVIEW

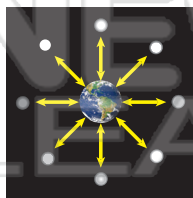
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3 Fill in the blank.
The _____ are the _____ of the universe.

- a. universes
- b. galaxies
- c. solar systems



5 Fill in the blank.
If all stars were lined up at the **same distance from Earth**, then the individual brightness of each was measured, the **measurements of brightness** would be called their _____ **magnitude**.



10 The universe may not have enough matter as it continues to **expand**. If this theory is true, **what will eventually happen to the universe?**

- a. it will reverse itself and get smaller
- b. it will get colder and darker and eventually "die"
- c. it will get hotter and hotter





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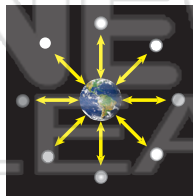
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geology cosmology



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