

Astronomy Quiz: Constellations

The quiz which follows may be used as a pre-test and/or post-test to tell you something about how well your students understand the concepts in this planetarium program. Please note that some questions refer to “Creating Constellations,” while others refer to “Using a Star Map” or *Constellations Tonight*. You should revise this test as needed to fit your particular classroom situation.

Answers to the Astronomy Quiz: Constellations

- 1 True
- 2 True
- 3 True
- 4 (look for two different constellations that make use of the dots)
- 5 D
- 6 (depends on class discussion, but answers might include time-telling, calendars, navigation, or just because it was fun)
- 7 (depends on class discussion, but answers might include the same as above, plus space navigation, locating deep-space objects for telescopes, studying the history of stars and ancient cultures)
- 8 C
- 9 (circle touching near the words “Eastern Horizon”)
- 10 (X in the center of the star map circle)
- 11 (line ending at the horizon circle near the words “Northern Horizon.”)

Astronomy Quiz: Constellations

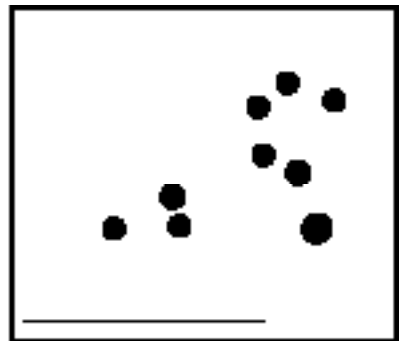
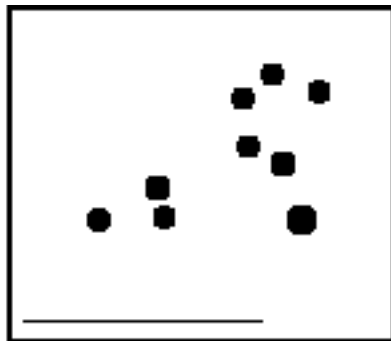
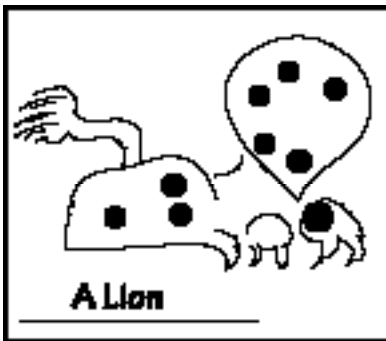
Circle the best answer.

1. Constellations can be used to find directions on Earth. True False Don't Know

2. If you see a dim star next to a bright star, you will always find it next to the same bright star. True False Don't Know

3. A star map is used to find constellations. True False Don't Know

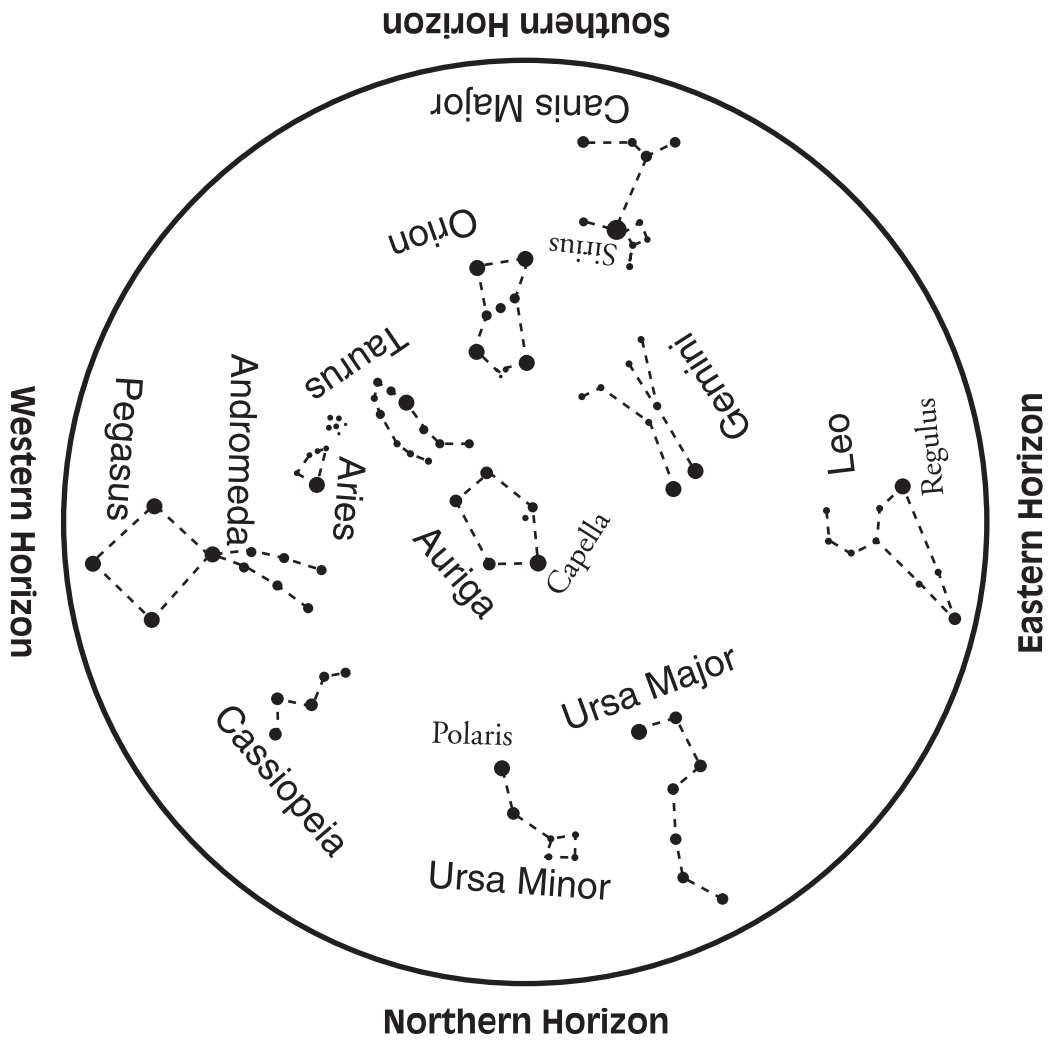
*These three pictures show the same pattern of stars.
Picture A shows a constellation that was invented a long time ago.*



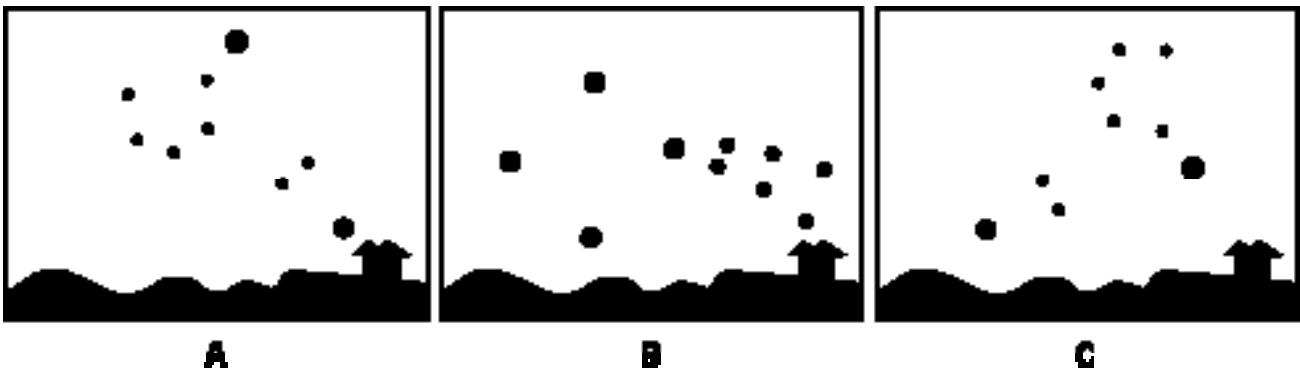
4. Invent two different constellations and draw them in Pictures B and C. Label each constellation with a name that looks like your drawing.

5. Ancient people in America, Europe, and China saw different constellations in the same set of stars. Why do you think this was so? (Circle the best answer.)
 - a) People in different countries saw different stars.
 - b) In those days people did not have telescopes.
 - c) The atmosphere blurred the view of the sky.
 - d) People in different countries saw things important to them

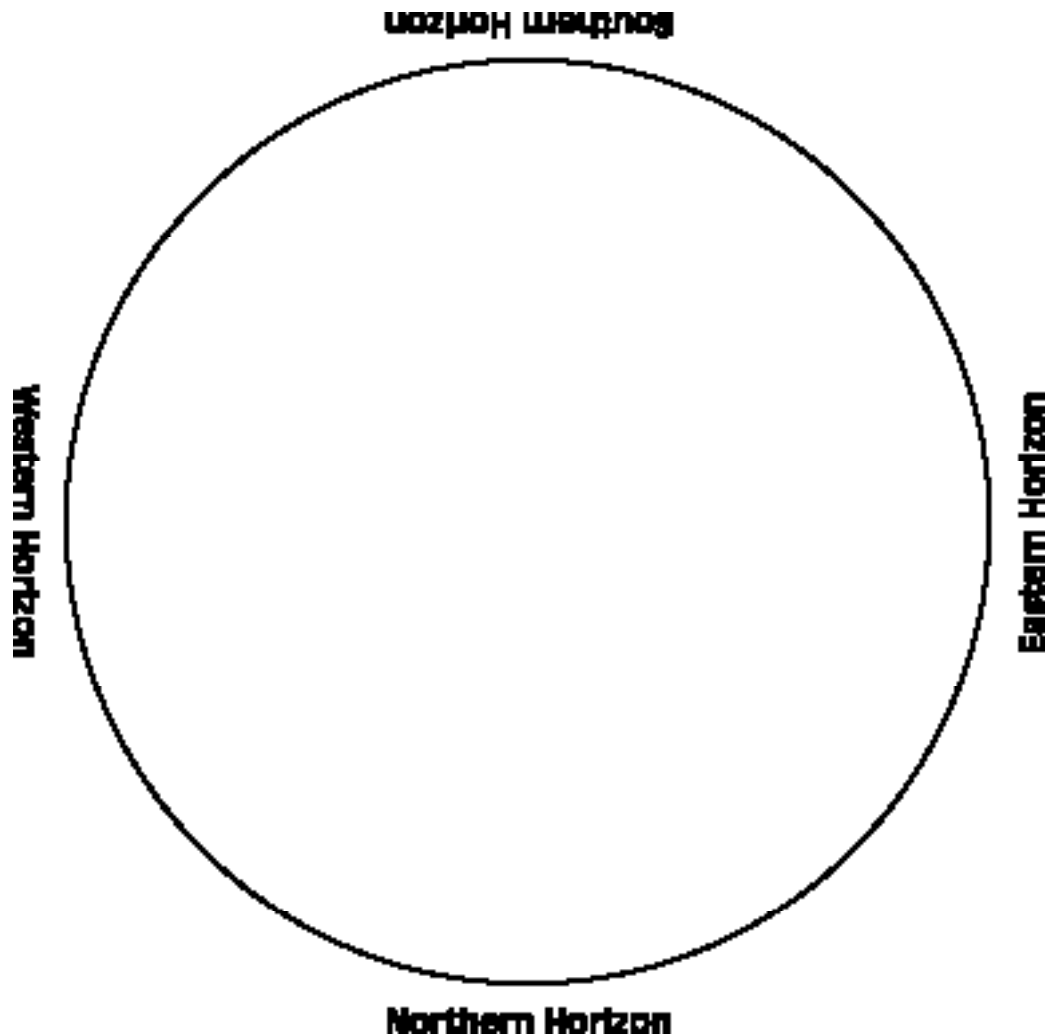
This is a Star Map



8. Circle the letter of the picture that shows what you would see if you looked towards the Eastern Horizon tonight, according to the above star map.



This is a star map without the stars!



This is a star map, just like on the last page, but without any stars on it. Please mark your answers to the following questions directly on the map.

9. The moon is just rising on the Eastern Horizon. Show the moon on the map as a little circle.
10. Pretend you just saw a UFO (or “flying saucer”) directly overhead. Draw an “X” on the map showing where it would appear in the sky.
11. Pretend you saw the UFO fly in a straight line and zoom out of sight over the Northern Horizon. Draw a line showing the path of the UFO.