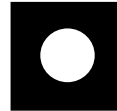


### What Do You Know About Astronomy?

Before we start this astronomy unit, I'd like to know what you already know about the topics that we are going to be covering during the next few weeks. Don't worry if you're not sure whether you got the answer "right" or not – just pick the answer you think is best.

1. Which list is in the correct order – from the object closest to the earth to the object farthest away from the earth?
  - A. stars, clouds, moon, sun, Pluto
  - B. clouds, stars, moon, sun, Pluto
  - C. clouds, moon, stars, sun, Pluto
  - D. clouds, moon, sun, stars, Pluto
  - E. clouds, moon, sun, Pluto, stars
2. Which statement most closely explains why it is hotter in North America during summer than it is in the winter?
  - A. The sun is "hotter" in summer – releasing more heat energy into space and to the earth.
  - B. The earth is closer to the sun in the summer
  - C. North America is closer to the sun in the summer
  - D. The daylight hours are longer than the nighttime hours during the summer.

3. One night you look up at the moon and it looks like this.



A week later it looks like this.



What caused the moon to appear smaller in size?

- A. Clouds are blocking part of the moon from our view
- B. The earth's shadow is blocking part of the moon from our view
- C. The sun's shadow is blocking part of the moon from our view
- D. The moon has a day side and a night side and we are seeing less of the side of the moon lit by the sun.

Answer the following "true" or "false" questions.

4. There is a side of the moon that is always in darkness and never is lit by the sun. T F
5. The sun is never directly overhead at noon in San Francisco. T F
6. In San Francisco, the sun always rises due east and sets due west. T F
7. In San Francisco, the Big Dipper is always in the sky. T F
8. The moon spins on its axis. T F