On the night of July 23, 1995, a man named Thomas Bopp was observing the night sky in Arizona through a telescope. As he slowly scanned the sky with the telescope, Bopp noticed a faint glow that he had never seen before. He asked a friend who was with him to check the star charts. These charts list every known object in space. But the glow was not on the chart!

On that same night in New Mexico, Alan Hale went outdoors to look at the night sky through his telescope, as he often did.

It was a very clear night. Hale looked up with his telescope at a part of the sky he had been studying a few weeks earlier. Suddenly, he gasped in surprise. He had spotted something new there! It was a faint, fuzzy glow. Excited, Hale made a quick sketch of what he saw. He believed he had just found a comet.

Hale, too, checked his star charts. Like Bopp, he did not find the object on them. Quickly, Hale sent a message to a place in Massachusetts that traces all comets. He told the people at the center what he had seen.

Thomas Bopp also sent a message to the center in Massachusetts. The next morning, he heard back from the center. Bopp, like Hale, had discovered a new comet!

Twelve hours after Hale and Bopp had first seen the comet, it had a name—Comet Hale-Bopp.
Answer the questions. You may reread parts of the passage to help you.

1. What is the meaning of the word *observing* as used in the sentence below?
   
   On the night of July 23, 1995, a man named Thomas Bopp was observing the night sky in Arizona through a telescope.
   
   a. counting
   b. looking
   c. talking
   d. wishing

2. What did Bopp do AFTER he noticed a faint glow in the sky?
   
   a. He gasped.
   b. He made a sketch of what he saw.
   c. He asked a friend to check the star chart.
   d. He slowly scanned the sky with his telescope.

3. What was the faint glow in the sky?
   
   a. a jet
   b. a star
   c. a moon
   d. a comet

4. What is the MOST LIKELY reason the author wrote “Hale and Bopp”?
   
   a. to tell how Comet Hale-Bopp was discovered
   b. to explain how to observe a comet
   c. to show what the sky is like
   d. to describe a star chart

5. What are two things both Hale and Bopp did? Use details from the passage to support your answer. Write your response on another sheet of paper.