Supplemental: Observation and Inference

Directions: Determine whether each of the following examples in an inference or an observation.

1. This rock has large crystals.
   a. inference
   b. observation

2. Based on their shapes I believe Africa and South America were once connected.
   a. inference
   b. observation

3. This pebble has a diameter of 3.2 cm.
   a. inference
   b. observation

4. After the thunder and lightning of the cold front I predict cooler air will move in to this area.
   a. inference
   b. observation

5. I see that a steel nail left a scratch mark on this mineral sample when I tried to scratch it.
   a. inference
   b. observation

6. Object A feels heavier than object B.
   a. inference
   b. observation

7. Because of the fins on this fossil I believe this animal lived in the water.
   a. inference
   b. observation

8. Object A is 3.5 cm longer than object B.
   a. inference
   b. observation

9. I think this rock is igneous because it has intergrown crystals.
   a. inference
   b. observation

10. I believe the children are our future, if we teach them well they can lead the way.
    a. inference
    b. observation
Directions: Determine whether each of the following examples are qualitative data or quantitative data.

11. 45% of workers in New York earn above minimum wage.
   a. qualitative
   b. quantitative

12. Charlie is taller than Brady.
   a. qualitative
   b. quantitative

13. The cake recipe requires 3 cups of flour.
   a. qualitative
   b. quantitative

14. The barometric pressure is falling.
   a. qualitative
   b. quantitative

15. The barometric pressure has fallen 10 millibars in the past hour.
   a. qualitative
   b. quantitative

16. 17 students passed the Earth Science Regents exam.
   a. qualitative
   b. quantitative

17. It is 1,100 miles to Daytona Beach, Florida.
   a. qualitative
   b. quantitative

18. Sprinters run faster than distance runners.
   a. qualitative
   b. quantitative

19. Carmen Sandiego is 13,000 miles from Trinidad Airport.
   a. qualitative
   b. quantitative

20. My lazy daughter sleeps 12 hours a day.
   a. qualitative
   b. quantitative