3. Which question would be the best high level scientific question?
   A) Does the amount of salt in water affect the temperature at which it boils?
   B) Who made the first microscope?
   C) How many giraffes live in Africa?
   D) How long ago did dinosaurs live on the Earth?

4. Which of the following is NOT a rule when writing a hypothesis?
   A) It is testable
   B) It should restate the question
   C) It is a prediction.
   D) It is an if/then statement

13. A scientist conducted an experiment to determine how the amount of salt in a body of water affects the number of plants that can live in the water. In this experiment the independent variable is
   A) the amount of salt in the water
   B) the water
   C) the number of plants in the water
   D) the temperature of the water

14. A scientist conducted an experiment to determine how the amount of salt in a body of water affects the number of plants that can live in the water. In this experiment the dependent variable is
   A) the water
   B) the temperature of the water
   C) the number of plants in the water
   D) the amount of salt in the water

19. If you were measuring the mass of a fly, you should use
   A) grams
   B) liters
   C) meters
   D) kilograms

20. If you wanted to know volume of water in a bottle of soda, you would use
   A) milliliters
   B) kiloliters
   C) grams
   D) liters

21. If you wanted to measure the distance from here to Salt Lake City, you would use
   A) kilometers
   B) centimeters
   C) millimeters
   D) meters

22. Which unit of measure is NOT used in the International System of Units
   A) grams
   B) milliliters
   C) centimeters
   D) inches