

Introduction to Science - Chapter 1 Quiz

Match the following science specialty with the correct branch of science.

1. Ecology _____
2. Chemistry _____
3. Physics _____
4. Astronomy _____
5. Botany _____

Drag and Drop the correct answer to each of the following questions.

Bias **Law** **Theory** **Physical Science**

6. _____ is the study of matter and energy.
7. A scientific _____ *explains* how a natural process works.
8. A scientific _____ *describes* a process in nature.
9. A scientist must be careful to avoid _____ in an experiment by planning and analyzing carefully.

Number the following according to what you would do first, second, third and fourth.

10. Hypothesize _____
11. Conclude _____
12. Form a question _____
13. Test _____

Draw a line to connect the picture with the correct instrument name.



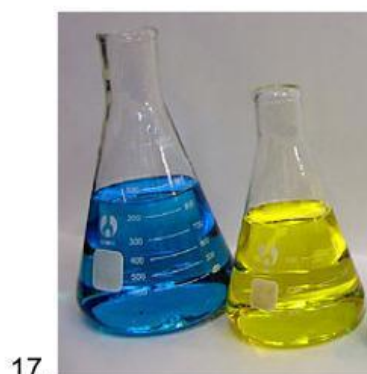
Beaker



E. Flask



Graduated Cylinder



Triple Beam Balance

Match the word with the correct definition.

- | | |
|------------------|--|
| 18. _____ Mass | a.) A result of the force of gravity |
| 19. _____ Length | b.) A straight line between 2 points |
| 20. _____ Volume | c.) The amount of matter in an object |
| 21. _____ Weight | d.) The space an object takes up |

Identify what type of graph is best for each of the following situations.

- | | |
|--------------------------------|-------|
| 22. Showing parts of a whole | _____ |
| 23. Showing a pattern or trend | _____ |
| 24. Showing a comparison | _____ |

Determine which type of measurement or unit each of the following instruments will make or use.

- | | |
|-----------------|-------|
| 25. Volume | _____ |
| 26. Mass | _____ |
| 27. Length | _____ |
| 28. Grams | _____ |
| 29. Centimeters | _____ |
| 30. milliliters | _____ |

True or False

31. _____ Roentgen discovered the X-ray.
32. _____ You can use a beaker to measure out a liquid volume.