

Homework 3

Due October 1, 2021

Name: _____ Grade 7 _____

Write the answers on the spaces provided.

1. Put the steps involved in the specific method in orders by number them. (5)

- ___Hypothesis ___Observation ___Conclusion
- ___Experiment ___Problem

2. What is the scientific method?

3. Why are experiments important?

4. Why it is necessary to have a control group during an experiment?

5. Explain using an example how science and technology related?

6. All scientists use the same system of measurement. What is it called?

a. What is the purpose of using measurements? (Name 4)

7. Define these terms:

a. Science _____

b. Volume _____

c. Mass _____

d. Temperature _____

e. Hypothesis _____

8. Write the measurement taken with the following instruments and its SI unit. (8)

a. Thermometer -Measurement: _____

-SI unit : _____

b. Beaker -Measurement: _____

-SI unit : _____

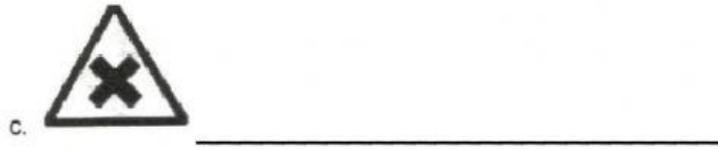
c. Displacement can -Measurement: _____

-SI unit : _____

d. Spring balance -Measurement: _____

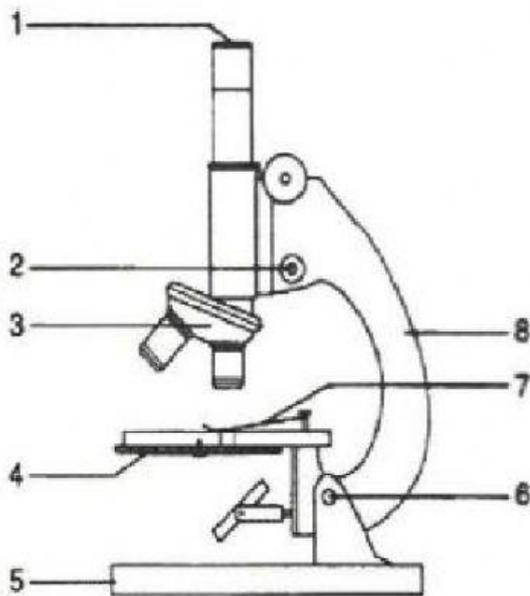
-SI unit : _____

9. The symbols below were on a bottle. What does it indicate about the substance inside the bottle? (4)



10. A fire starts in the pine barren. What must be present to sustain this fire? (3)

11. Label the microscope below: (8)



- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____

12. What is used as a light source in the above diagram? (1)

13. Write the number of the part of the microscope that does the following: (5)

- ____ a. Hold the slide on the stage.
- ____ b. Use to focus on the image
- ____ c. Used to change objectives
- ____ d. Supports the microscope
- ____ e. Controls the amount of light passing through the specimen

14. What is a microscope used for: (1)

a. Name an instrument with a similar function. _____

b. Name a job that uses a microscope. _____