

S5 Worksheet

Section: Tools, Measurement, and Safety

TOOLS FOR SCIENCE

1. Something that helps you do a task is a(n) _____.
2. What is the purpose of a microscope?

3. What are the three main parts of a compound light microscope?

Match the correct description with the correct term. Write the letter in the space provided.

- | | |
|-------------------------------|-----------------------|
| _____ 4. measures time | a. balance |
| _____ 5. measures volume | b. thermometer |
| _____ 6. measures temperature | c. graduated cylinder |
| _____ 7. measures length | d. spring scale |
| _____ 8. measures force | e. meterstick |
| _____ 9. measures mass | f. stopwatch |

10. What are three tools you can use to analyze data?

MEASUREMENT

11. Give two examples of standardized units that were used for measurement hundreds of years ago.

12. Which organization was responsible for creating the first reliable measurement system?

Name _____ Class _____ Date _____

13. What does SI stand for?

14. What are two advantages of using SI measurements?

15. How many meters equal one kilometer? _____

16. How many kilograms equal one gram? _____

17. How many degrees Kelvin does 100°C equal? _____

18. The basic SI unit used to measure length is called a(n) _____.

19. A measure of how much surface an object has is called _____.

20. What is the equation $area = length \times width$ used for? _____

21. The amount of matter that makes up an object is called _____.

22. What tool do scientists often use to measure mass? _____

23. The basic unit for mass is called a(n) _____.

24. The mass of smaller objects is usually measured in _____.

25. A measure of the size of a body in three-dimensional space is called

_____.

26. How would you calculate the volume of a box?

27. An object's level of hot or cold is measured by its _____.

28. What is the SI base unit for temperature called? _____

SAFETY RULES!

29. What are three ways to stay safe when doing a science investigation?
