

- METRIC SYSTEM REVIEW AND PRACTICE STUFF REVIEW SHEET -

NAME THE METRIC BASE UNIT:

1. distance **METER**
2. volume **LITER**
3. mass **GRAM**

CONVERT THE FOLLOWING:

4. 987 m = **.987 km**
5. 1,234,560 mg = **1.23456 kg**
6. 456 L = **456,000 ml**

Convert the following measurements (write down both the question and answer in your notebook):

7. 1km = **1000 m**
8. 1m = **100 cm**
9. 1000m = **1km**
10. 1cm = **10 mm**
11. 1.5 L = **1500 ml**
12. 1 m = **1000 mm**
13. 1 kg = **1000000 mg**
14. 1 kg = **2.2 lbs**
15. 1 in = **2.54 cm**
16. 1 gallon = **3.8 l**
17. 1 mi = **1.6 km**

Fill-in the correct metric prefixes for # 18 – 24 (and what they equal compared to the base unit):

18.	19.	20.	21.	22.	23.	24.
KILO	HECTA	DECA	<u>BASE UNIT</u>	DECI (dg)	CENTI	MILLI
1000	100	(Dg)	<u>METER</u>	1/10	1/100	1/1000
		10	<u>LITER</u>			
			<u>GRAM</u>			

Name the Equipment

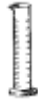
25. **BALANCE (TRIPLE BEAM)**



27. **FLASK (ERLENMEYER)**



26. **GRADUATED CYLINDER**



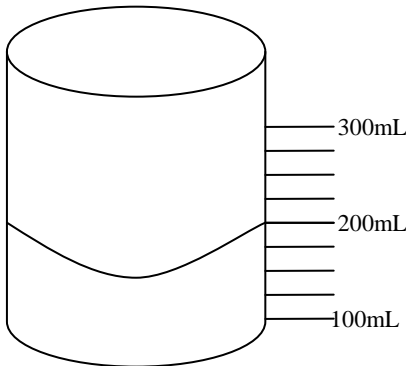
28. **BEAKER**



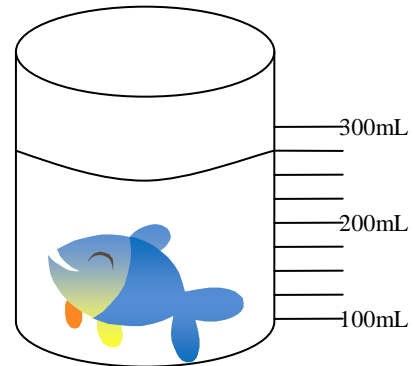
DETERMINING VOLUME OF AN IRREGULARLY SHAPED SOLID:

29. What is the volume of Mr. Goldfish fish? **100 cm³ or 100 ml**

Graduated cylinder with water before fish



Graduated cylinder with water after fish



30. What is the method for determining the volume of an **irregular solid** like the fish above?

DISPLACEMENT

31. Name the **curved line** used to measure liquid volume. **MENISCUS**

32. Name 1 country that **does not** use the metric system. **USA, Burma, Liberia,**

33. At what temperature Fahrenheit does book pages burn? **451 F or 233 C**

34. What weighs more **100 kg of feathers or 100 kg of bricks and rocks?** **SAME, 100 kg**

35. What is everything in the universe made of as far as we know? **MATTER (STUFF)**

100 plants are split into two separate groups in an experiment on natural pest control. One group has lady bugs spread throughout the 50 plants and the other group has nothing added for controlling **aphids** (small parasitic insects) from eating the plants. 86% of the plants with lady bugs were still alive after 4 weeks. 52% of plants without lady bugs were dead after 4 weeks.

36. Which group above is the **experimental group?** **PLANTS WITH LADY BUGS**

37. Which is the **control group?** **NO LADY BUGS**

38. What is the **variable** being tested? **LADY BUGS**

39. What could you **infer** about the lady bugs from this study? **THEY EAT APHIDS**

40. List the **7 steps** of the scientific method in the correct order. **PURPOSE, INTRODUCTION, HYPOTHESIS,**

MATERIALS, PROCEDURES, DATA, CONCLUSION