Chapter 1 Review Sheet Name _____

Answer questions 1-9 on page 27

1. _____ 4. _____ 7. _____

2. _____ 5. _____ 8. _____

3. _____ 6. _____ 9. _____

10. Define the following vocabulary terms

Science

Technology

Scientific theory

Scientific law

Scientific Method

Variable

Length

Mass

Volume

Weight

Precision

Accuracy

11. Solving Problems What type of graph would be best for displaying a runner's speed throughout a race? Explain why.

12. Applying Knowledge Convert the following measurements to the units indicated

a. 25.2 km to meters

b. 1.0 kg to megagrams

c. 0.599 mL to liters

d. 0.007 89 s to milliseconds

13. Applying Knowledge Make a graph of the following data from a sample of birdseed. Be sure to choose the type of graph that best explains the data.

Type of seed	Percentage
Millet	45%
Sunflower seeds	15%
Safflower seeds	15%
Flax	15%
Thistle	10%

14. Explain why bar graphs are useful for comparing data.

15. Explain how results can be precise but not accurate.

16. Explain why an experiment should test only one variable at a time.

17. Describe why prefixes are useful with SI units.

18. Explain why scientists use SI units instead of units such as inches and gallons.

19. Describe the difference between a scientific law and a scientific theory.

20. Describe the steps of the scientific method