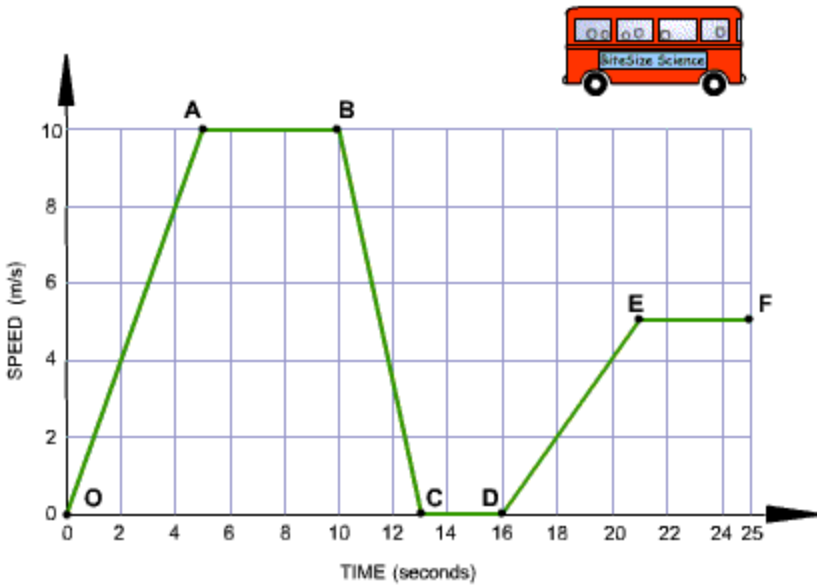


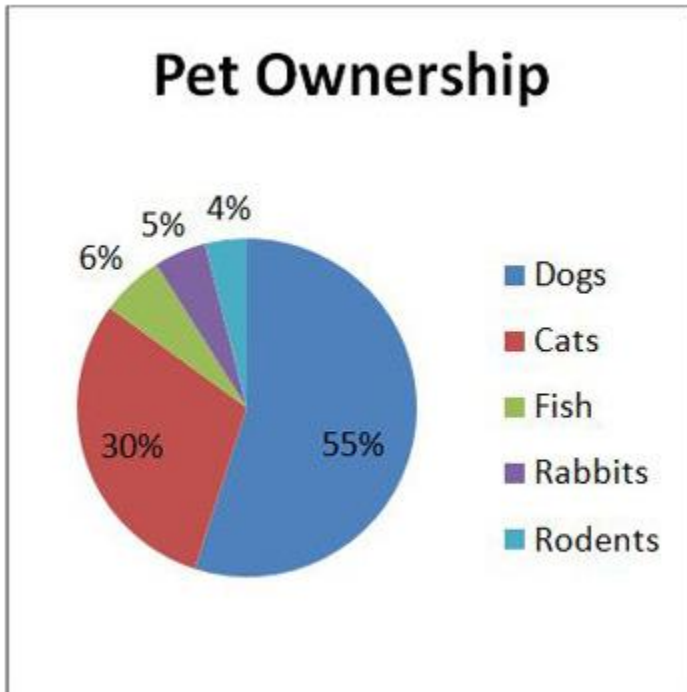
## Chapter 1 Test Review Physical Science

Answer the following questions on a separate piece of paper. If the answer requires units, make sure to include the unit.

1. What are some advantages of the metric system?
2. What are the steps of the scientific method? List them by number in order!
3. What does SI stand for?
4. What are the three types of graphs?
5. Which axis on a line graph represents the independent variable?
6. How can you determine the independent variable based up just looking at a data table?
7. Convert 400 Kelvin to Celsius.
8. Convert 50 Celsius to Kelvin.
9. List the three metric prefixes learned in class from largest to smallest.
10. Explain how you would find the volume of a pair of earrings ring. Be specific and write the steps in order that you would do them!
11. Explain how you would measure out 5.0 g of a powdered chemical. Be specific and write the steps in order that you would do them!
12. If an object was dropped into a graduated cylinder full of water, and the water level rose from 15 mL to 21 mL, what would be the volume of the object?
13. What two measurements need to be taken in order to find the density of an object?
14. What instrument is used to find mass and what is the unit used?
15. What instrument is used to find volume and what is the unit used?
16. What instrument is used to find length and what is the unit used?
17. If the mass of an object is 25 g and its volume is 80 mL, calculate the density.
18. What is the value of kilo?
19. What is the value of milli?
20. What is the value of centi?
21. Convert 550 mg to kg.
22. Convert 85.5 km to m.
23. How is the title of a graph written? Use the words dependent and independent.
24. What is the volume of a shoe box that is 31 cm by 18 cm by 12 cm?
25. Explain the difference between a theory and a law.
26. What causes a hypothesis to become educated for the guess that you make?
27. What is a control in an experiment?
28. What is a variable in an experiment?
29. What is a constant in an experiment?



30. How fast is the bus moving after 3 s?
31. At what times is the bus stopped?
32. How long does it take to get the bus moving at 9 m/s?



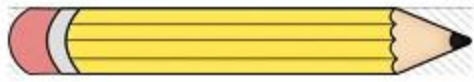
33. What percent of pets are not rodents?



34. What is the mass reading?
35. What is the maximum mass this balance will read?
36. What is a balance measuring?



37. How much liquid is in the graduated cylinder?
38. What is the maximum amount of liquid the cylinder will measure?
39. What is a graduated cylinder for? When measuring?



40. What is the length of the pencil?  
41. What is the purpose a ruler is used for?



42. What is the reading on the stop watch?  
43. What is a stop watch used for?