

11. Identify as 'PP' Physical properties, 'CP' Chemical properties, 'PC' physical change, or 'CC' chemical change.

a. _____ odor	b. _____ a mirror is shattered into pieces
c. _____ an empty can is crushed	d. _____ boiling a liquid
e. _____ density	f. _____ heat is added and a substance begins to melt
g. _____ HCl & NaOH react to <u>produce</u> NaCl & H <sub>2</sub> O	h. _____ freezing
i. _____ melting point	j. _____ a pan rusts at the edges
k. _____ a log burning in a fireplace	l. _____ shape
m. _____ sliced apples turn brown in air	n. _____ At room temp. water is a liquid
o. _____ Wood burns when exposed to fire	p. _____ Vinegar bubbles when mixed with baking soda.

12. If you know that volume of an object is 50 cm<sup>3</sup> and the mass is 100 g. You could calculate \_\_\_\_\_

13. Look at the chart.

- T/F Yellowfin swim faster than sailfish.  
 T/F All tuna fish in the ocean swim slowly.  
 T/F Yellowfin swim faster than Bluefin.  
 T/F Bluefin swim faster than Yellowfin.

Fast Swimmers	
Fish	Speed (miles per hour)
Sailfish	60
Yellowfin Tuna	46
Bluefin Tuna	43
Flying Fish	40
Dolphin	37
Trout	15

14. John wants to buy a new tractor. He is debating his purchase, because he does not know which tractor will do the best job for him. To solve his problem he should use the \_\_\_\_\_ method.

15. The chart shows that the Sea Otter population has **(increased, decreased)** since 1940.

16. Label each: **Ho-** Homogeneous, **He-** Heterogeneous, **E-** Element, or **C-** Compound

Year	# of Sea Otters
1940	57
1950	52
1960	50
1970	40
1980	30
1990	30
2000	20

_____ Trail Mix	_____ Water (H <sub>2</sub> O)
_____ Carbon (C)	_____ Air

17. To find the volume of a liquid you should use a \_\_\_\_\_