8th Grade Science

Teachers: Bowling, Kirk, Steen Due: Due: April 8th

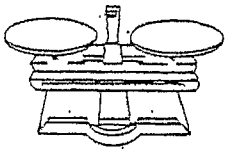
Name _____

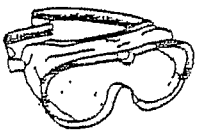
Directions:

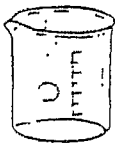
1. Study tools, uses, and units for 30 minutes and take the quiz
2. Answer questions on independent and dependent variables
3. Answer questions on observation inference

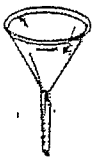
A. safety goggles
B. first aid kit
C. tongs
D. fire extinguisher
E. meter stick
F. spring scale
G. triple-beam balance
H. equal-arm balance
I. voltmeter
J. stopwatch
K. Celsius thermometer
L. graduated cylinder
M. apron
N. beaker
O. flask
P. ring stand
Q. funnel
R. test tube
S. test tube holder
T. test tube rack
U. watch glass
V. ~~bunsen burner~~
W. ring for ring stand
X. ring stand clamp

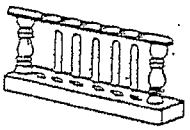

1. _____


2. _____

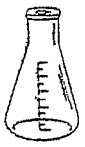

3. _____

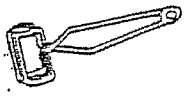

4. _____

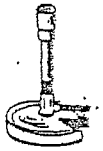

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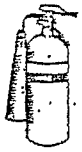

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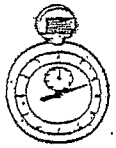

7. _____

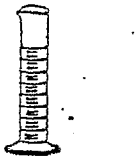

8. _____


9. _____


10. _____


11. _____

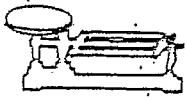

12. _____

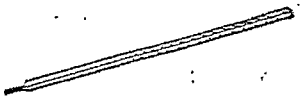

13. _____

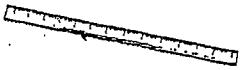

14. _____


15. _____

Freespace
16. _____


17. _____


18. _____


19. _____


20. _____


21. _____

22. _____

23. _____


24. _____


25. _____

Name _____ Per _____

Independent and Dependent Variables Worksheet

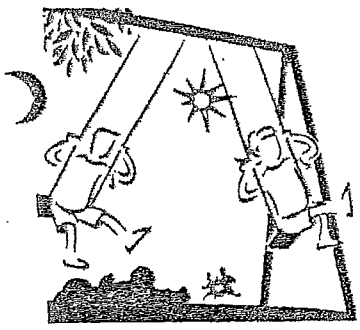
Definitions: The Independent variable is the condition you change. It is also called the manipulated variable. The dependent variable is the condition that reacts. The dependent variable is also called the responding variable.

Put a circle around the Independent variable and underline the Dependent variable.

1. The hungrier a cat gets, the louder he meows.
2. As the room gets darker; the harder it is to see colors.
3. Is the growth of a plant affected by acid rain?
4. Does surface area of a sponge affect the speed of evaporation?
5. Does the weight of a car affect it's gas mileage?
6. Does one brand of nail polish dry faster than another?
7. Is the number of puppies affected by the age of the mother?
8. Is memory retention affected by the noise level of a room?
9. Does a person's age affect his/her reaction time?
10. A rabbits fur grows longer as weather gets colder.

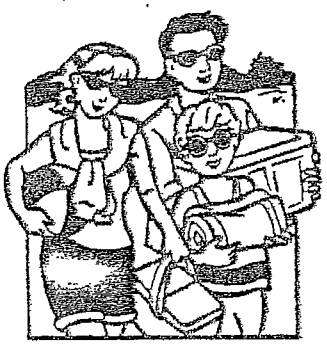
Making Inferences

Look at the following pictures. Give one observation and one inference for each.



Obs:

Inf:



Obs:

Inf:



Obs:

Inf: