NAME: _____ CLASS PERIOD: _____

Lab Safety Assessment

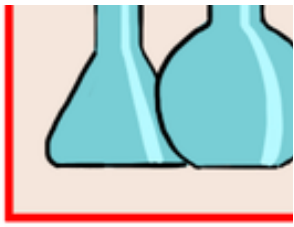
Garden Valley Collegiate - Science Department

Student Worksheet

ANIMAL HAZARD

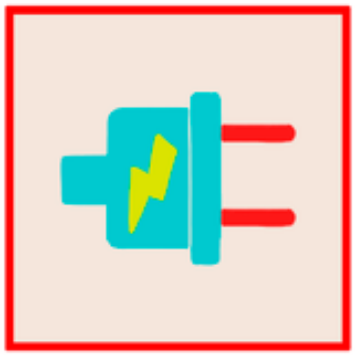
SHARP INSTRUMENT HAZARD

HEAT HAZARD



GLASSWARE HAZARD

CHEMICAL HAZARD



ELECTRICAL HAZARD

EYE & FACE HAZARD

FIRE HAZARD

BIOHAZARD

LASER RADIATION HAZARD

RADIOACTIVE HAZARD

EXPLOSIVE HAZARD

Lab Safety Skills Assessment

WHMIS and Safety Worksheet

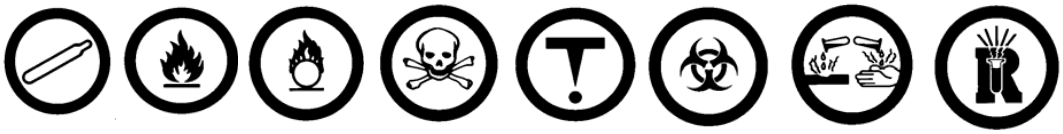
1. What does WHMIS stand for?

2. What is the purpose of WHMIS?

3. What information would you find on a WHMIS label?

4. Do all products and chemicals have WHMIS labels? Explain.

5. Identify the following symbols, write down at least one hazard this symbol represents and give one example of a material or chemical that may have this symbol.



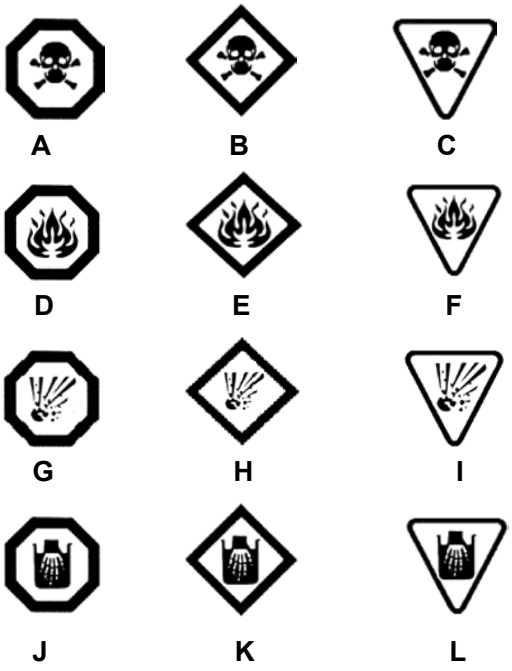
A B C D E F G H

	Identify Symbol	One Hazard	Example
A			
B			
C			
D			
E			
F			
G			
H			

Lab Safety Skills Assessment

6. What is an MSDS, and what kind of information would be found on it?

7. Identify the following International Safety Symbols.



A _____

B _____

C _____

D _____

E _____

F _____

G _____

H _____

I _____

J _____

K _____

L _____

Lab Safety Skills Assessment

Safety in the Science Classroom Exercise

For each of the following safety rules, give one GOOD reason why we have that safety rule.

a) Never begin an experiment or lab without your teacher's permission**.**
Sample Answer:
The teacher might have some important information you need to make the experiment work properly and safe.

b) Keep your safety goggles on as long as there are any chemicals being used in the lab, even if you yourself are finished.

c) Never eat, drink, or chew gum during a lab.

d) Put test tubes in a test tube rack before pouring liquids into them.

e) Make sure your hands are dry when using electrical equipment.

f) Report any injuries, no matter how minor, to your teacher.

g) Always cut away from yourself and away from others when using a scalpel.

h) When diluting acid, always add small amounts of acid to large amounts of water.

i) If your clothing catches on fire, never run.

j) When holding a bottle from which you are going to pour chemical, keep the label against the palm of your hand.

k) If a chemical gets in your eye, flush it with running water for at least 15 minutes.

Lab Safety Skills Assessment

Using the collection of five sample bottles, identify each of the names of the substances and their "fire diamond" values and place them in the table below.

Bottle	Substance Name	"Fire Diamond" Values		
		Health	Flammability	Reactivity
1				
2				
3				
4				
5				