

Chapter 3 and 10 homework:

- 1) Make your own acronym for metalloids.
- 2) List the differences between Metals and Non-metals.
- 3) True or False: Hg, Ag, and Br are all liquid at room temperature.
- 4) What is the acronym for diatomics?
- 5) Do diatomics always form a molecule or like to be alone?
- 6) What column is the Alkali metals and earth metals in?
- 7) What do the rows and columns have in common?
- 8) Draw the S, P, D, and F orbitals
- 9) How can you remember the 11 gasses? What are they?

Liquids at room temp	Mercury and Bromine	Diatomics	Hydrogen, Nitrogen, Fluorine, Oxygen, Iodine, Chlorine, Bromine	
11 Gasses	H,N,F,O, C, +Noble gasses	What column is Alkali Metals in?	Column furthest to the left	
	Where are the Noble Gasses?	Column furthest to the right	Where are the Halogens?	Right next to the Noble Gasses

What shape is a S orbital?	Circle Shape	What shape is a P orbital?	Dumbbell Shape	
What shape is a D orbital	Butterfly shape	What shape is a F orbital?	Flower shape with 6 Petals	
What column is Alkali Earth Metals in?	The Column right next to the Alkali Metals			

Homework and Matching Answers

1) Your own acronym.

2) Metals are: Solid, shiny, malleable, conducts heat, high boiling and melting point.

Non-metals are: Solid, liquid, or gas, nonmalleable, does not conduct electricity, low boiling and melting point.

3) False

4) Have No Fear Of Ice Cold Beer

5) Form a molecule

6) Two far left

7) The same physical and chemical properties

8) S-circle, P-dumb-bell, D- butterfly, F- 6 petal flower

9) Remember like the diatomics leaving out iodine and bromine. -then all the Noble gasses

Matching Answers

All answers are are to the right of the question.

-Liquids at room temp: Hg, Br

-Diatomics:

Hydrogen,

Nitrogen,

Fluorine,

Oxygen

Iodine,

Chlorine,

Bromine

-11 Gasses: H,N,O,F,C + Noble Gasses

-Column of Alkali Metals: Furthest to the left

-Column of Alkali Earth Metals: right next to Alkali metals

-Column of Noble Gasses: Furthest to the right

-Where are the Halogens: Next to the Noble Gasses

-S orbital shape: Circle

-P orbital shape: Dum-bell

D orbital shape: Butterfly

F orbital shape: 6 petal flower