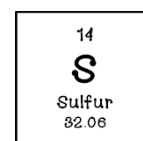
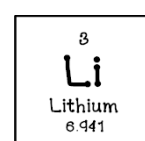
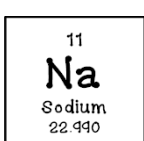
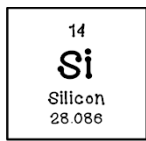
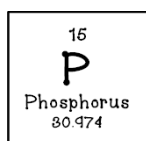
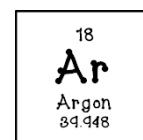
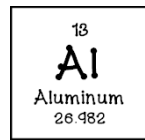
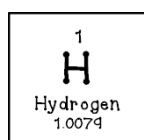
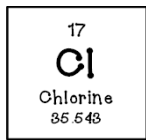
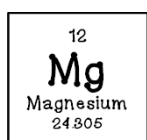


Metals, Nonmetals, Metalloids

Color the Periodic tables to represent the location of metals, nonmetals and metalloids.
Cut out the boxes below and sort on the graphic organizer.
Glue the final product in your notebook.

Good thermal conductor	Ductile	Malleable
Poor thermal conductor	Luster (shiny)	Gain or share electrons when they react with other elements
Conducts heat under some conditions	Brittle	Solid at room temperature
Good electrical conductor	Left side of the table	Reactive
Poor electrical conductor	Right side of the table	Corrosive
Semiconductors	Zigzag line on the table	Dull



After completing the activity, answer these questions in your notebook.

1. What are the majority of elements classified as?
2. Are you surprised? Why or Why not?

Name _____

Period _____

Metal

A grid representing the periodic table with a shaded region for metals. The shaded area covers the left side of the table, including the s-block (groups 1 and 2), the d-block (transition metals), and the f-block (lanthanides and actinides). The unshaded area represents nonmetals and metalloids.

Metalloid

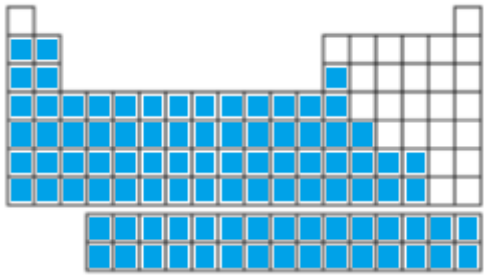
A grid representing the periodic table with a shaded region for metalloids. The shaded area covers the diagonal line of elements from Boron (B) to Astatine (At), including Silicon (Si), Germanium (Ge), and Antimony (Sb). The unshaded area represents metals and nonmetals.

Nonmetal

A grid representing the periodic table with a shaded region for nonmetals. The shaded area covers the right side of the table, including the p-block elements from Carbon (C) to Astatine (At), and the noble gases. The unshaded area represents metals and metalloids.

ANSWERS

Metal



Luster (shiny)

Good thermal conductor

Malleable

Good electrical conductor

Ductile

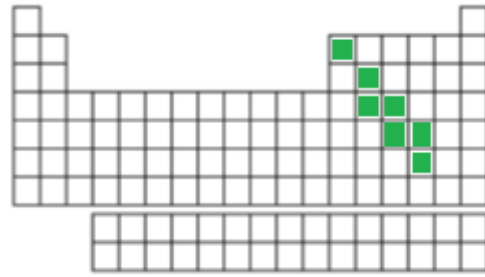
Reactive

Left side of the table

Corrosive

12 Mg Magnesium 24.305	13 Al Aluminum 26.982	11 Na Sodium 22.990	3 Li Lithium 6.941
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Metalloid



Semiconductors

Conducts heat under some conditions

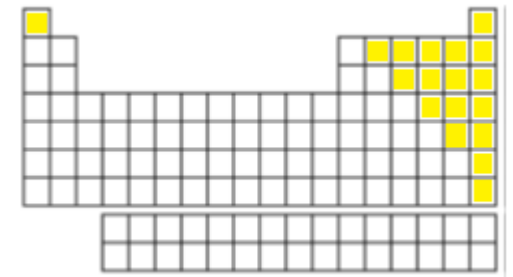
Solid at room temperature

Zigzag line on the table

14 Si Silicon 28.086

Questions
1. Metals
2. Answers Vary

Nonmetal



Poor electrical conductor

Poor thermal conductor

Right side of the table

Brittle

Dull

Gain or share electrons when they react with other elements

15 P Phosphorus 30.974	18 Ar Argon 39.948	17 Cl Chlorine 35.448
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14 S Sulfur 32.06	1 H Hydrogen 1.0079
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