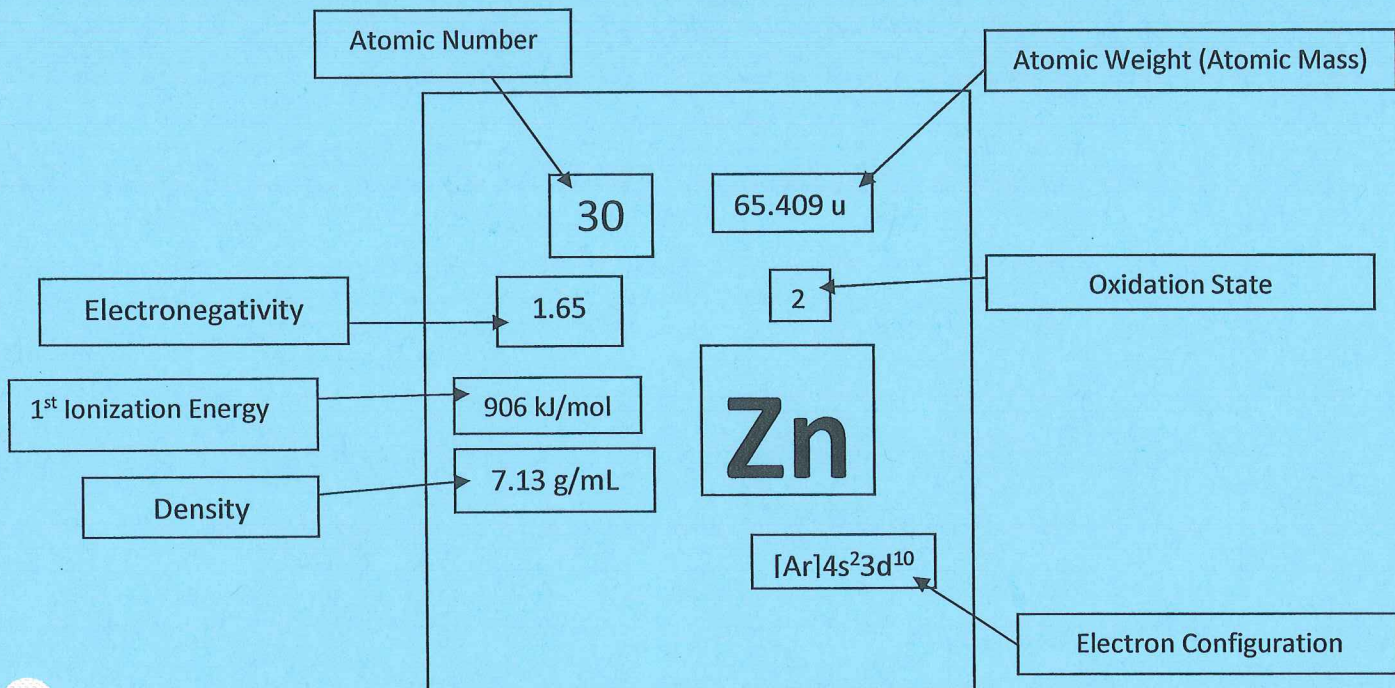


Name BETHKEY Period _____

Review of Periodic Properties

In the space below define the properties of elements indicated. Use your textbook and internet search engines to assist you in recalling this information.



Atomic Number: Symbol "Z"

THE # OF PROTONS FOUND IN AN ATOM'S NUCLEUS.

Atomic Weight (Atomic Mass):

THE WEIGHTED AVERAGE OF THE MASSES OF OF THE ATOMS OF THE ISOTOPES OF THE ELEMENT.

Oxidation State: (OXIDATION NUMBER)

DESIGNATES THE NUMBER OF ELECTRONS AN ATOM HAS LOST, GAINED, OR SHARED IN THE REACTION.

Electron Configuration:

DESCRIBES THE DISTRIBUTION OF ELECTRONS IN AN ATOM'S ELECTRON CLOUD.

Electronegativity: (EN)

A RELATIVE MEASURE OF AN ATOM'S TENDENCY TO ATTRACT BONDING ELECTRONS TO ITSELF.

1st Ionization Energy:

THE ENERGY REQUIRED TO REMOVE ONE ELECTRON FROM A GASEOUS ATOM.

Density:

A RATIO OF MASS TO VOLUME.

$$D = \frac{m}{V}$$

$$\frac{g}{mL} \text{ or } \frac{g}{cm^3}$$

$$D = \heartsuit$$
$$(D = \cancel{\heartsuit})$$