

Identifying Substances

Complete the chart by first identifying each of the substances by name. Then describe each substance by placing a check in the appropriate box.

Substance	Name	Element	Compound	Symbol	Formula	Atom	Molecule
O							
O ₂							
H							
H ₂							
C							
CO							
Al							
NH ₃							
Cl ₂							
Au							
CO ₂							
Ag							
Fe							
H ₂ O							
Hg							

ACTIVITY ■ Atoms: Building Blocks of Matter

Isotopes or Different Elements?

In each of the following statements, you are given a pair of elements and important information about each. Use this information to determine if the pair of elements are isotopes or different elements. Indicate your answer in the space provided.

THEN GIVE THE NAME OF EACH ELEMENT.

1. Element D has 6 protons and 7 neutrons.
Element F has 7 protons and 7 neutrons.

ELEMENT D IS _____
ELEMENT F IS _____

2. Element J has 27 protons and 32 neutrons.
Element L has 27 protons and 33 neutrons.

ELEMENT J IS _____
ELEMENT L IS _____

3. Element X has 17 protons and 18 neutrons.
Element Y has 18 protons and 17 neutrons.

ELEMENT X IS _____
ELEMENT Y IS _____

4. Element Q has 56 protons and 81 neutrons.
Element R has 56 protons and 82 neutrons.

ELEMENT Q IS _____
ELEMENT R IS _____

5. Element T has an atomic number of 20 and an atomic mass of 40.
Element Z has an atomic number of 20 and an atomic mass of 41.

ELEMENT T IS _____
ELEMENT Z IS _____

6. Element W has 8 protons and 8 neutrons.
Element V has 7 protons and 8 neutrons.

ELEMENT W IS _____
ELEMENT V IS _____

7. Element P has an atomic number of 92 and an atomic mass of 238.
Element S has 92 protons and 143 neutrons.

ELEMENT P IS _____
ELEMENT S IS _____

8. WRITE ONE FOR THE PENNY NEXT TO YOU TO DO.