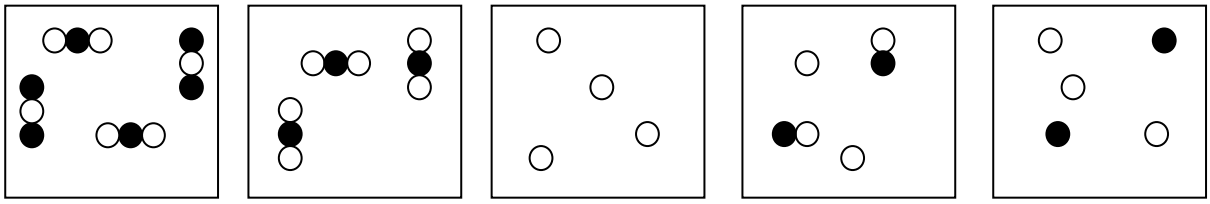
Complete the following assignment in your class notebook with the heading:

Classifying Matter

Classify each of the following as elements (E), compounds (C), homogeneous mixtures (Hom), or heterogeneous mixtures (Het). Write the letter X if it is none of these.

E Diamond (C)	C Sugar ($C_6H_{12}O_6$)	Hom Milk	E Iron (Fe)
Hom Air	C Sulfuric Acid (H_2SO_4)	Hom Gasoline	X Electricity
E Krypton (Kr)	E Bismuth (Bi)	E Uranium (U)	Het Popcorn
C Water (H_2O)	C Alcohol (CH_3OH)	Het Pail of Garbage	Het A dog
___Ammonia (NH_3)	___Salt (NaCl)	___Energy	___Gold(Au)
___Wood	___Bronze	___Ink	___Pizza
___Dry Ice (CO_2)	___Baking Soda ($NaHCO_3$)	___Titanium (Ti)	___Concrete

Match each diagram with its correct description. Diagrams will be used once.



A **B** **C** **D** **E**

C 1. Pure Element – only one type of atom present.

E 2. Mixture of two elements – two types of uncombined atoms present.

___3. Pure compound – only one type of compound present.

___4. Mixture of two compounds – two types of compounds present.

___5. Mixture of a compound and an element.