

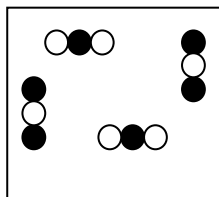
Complete the following assignment in your class notebook with the heading:

Classifying Matter

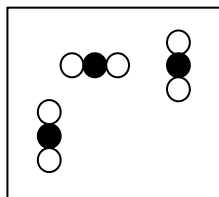
Classify each of the following as elements (E), compounds (C), homogeneous mixtures (Hom), or heterogeneous mixtures (Het). Write the letter X if it is none of these.

- | | | | |
|-------------------------------|---|--------------------|----------------|
| ___Diamond (C) | ___Sugar (C ₆ H ₁₂ O ₆) | ___Milk | ___Iron (Fe) |
| ___Air | ___Sulfuric Acid (H ₂ SO ₄) | ___Gasoline | ___Electricity |
| ___Krypton (K) | ___Bismuth (Bi) | ___Uranium (U) | ___Popcorn |
| ___Water (H ₂ O) | ___Alcohol (CH ₃ OH) | ___Pail of Garbage | ___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 |

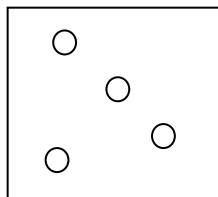
Match each diagram with its correct description. Diagrams will be used once.



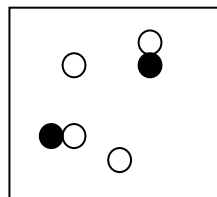
A



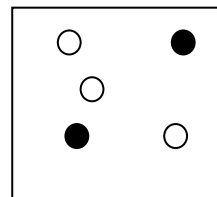
B



C



D



E

- ___1. Pure Element - only one type of atom present.
- ___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.