

KEY

Name: _____

Block: C

1. Which model represents an atomic element? Which model represents a molecular element?

How are they the same how are they different?

SAME

- they ONLY consist of one kind of atom (Aluminum is only aluminum atoms)

DIFFERENT

- They do not bond; only exist together as single atoms (atomic element, NOT molecular)

- molecular elements have atoms bonding together

2. How are the water molecule and the oxygen molecule the same, and how are they different?

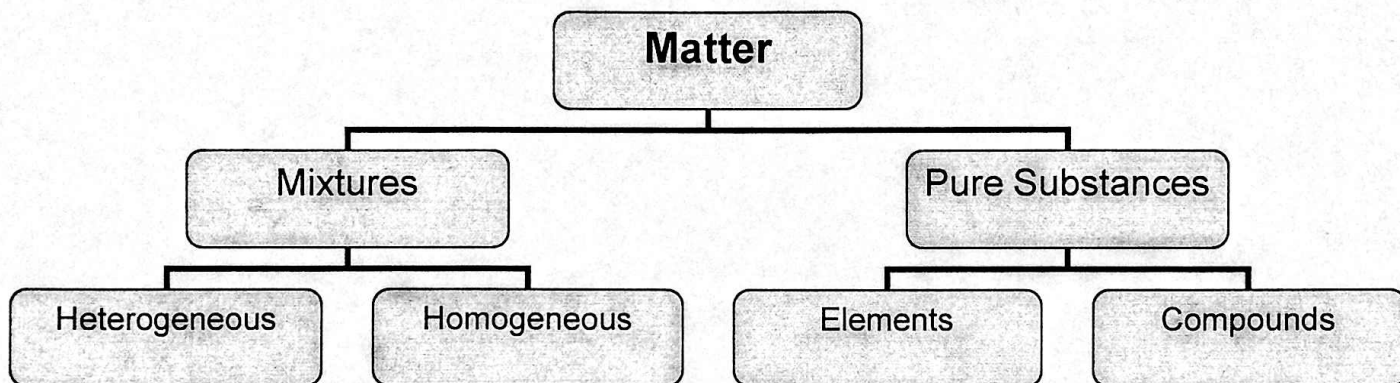
SAME

- Both pure substances
- Both need to break a bond to separate

DIFFERENT

- Oxygen is ONLY Oxygen atoms
- Water has hydrogen involved

3. Rotate to each station and classify each substance in the flow chart below



		atomic	molecular		
Sand & Water	Stainless steel	aluminum	Carbon	Ice	
	Salt water		Oxygen	Water	
				Salt (NaCl)	
				Sand	
				Gas	
				Methane	
				Propane	
				Isopropyl alcohol	
				ethane gas	