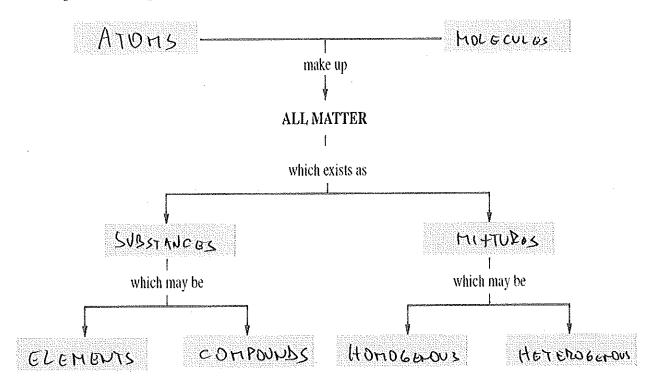
NAME: ANSWER WEY

Classifying Matter WORKSHEET 1

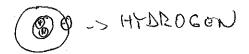
1. Fill up the missing terms:



2. Define the following terms which MAKE UP all matter:

Atoms:

- a. DEFINITION: -A BUILDING BLOCK OF MATTER
 -THE SHALLEST POSSIBLE UNIT OF AN ELEMENT
- b. Draw a picture of an atom (with orbits and subatomic particles) and indicate which atom the picture represents:



Molecules:

a. DEFINITION: A COMBINATION OF 2 OR MORE ATOMS IN ADOFINITE

ARRANGMENT HELD BY A COVALENT BOND

b. Give 3 example of a diatomic molecules

c. Give 3 examples of triatomic molecule

12

3. Define the following terms in which all matter EXISTS as:

<u>Elemen</u>	DEFINITION: MADE UP OF ONLY ONE TYPE OF ATOM HAVE UNIQUE SETS OF CHEMICAL YPHYSICAL PROPERTIES What type of elements there are? Give an example of each! METALS (SODIUM, GOLD), NON-METALS (H, H).
a.	DEFINITION: THE OWN OF THE STATE STATES
	HAVE UNIQUE SET, OF CHEMICAL
b.	What type of elements there are? Give an example of each! METALS (SODIUM, GOLD), NON-METALS (H, H.
Compou	inds:
a.	DEFINITION: MADEUP OF MORETHAN METALLOIDS (SKLEGON, BORON) ONE ATOM BONDED TOGETHER IN A FIXED PROPORTIONS
	THE ATOM BONDED TOGETHER IN A FIXEN PROPORTIONS
b.	Give 3 examples of a compound containing oxygen $\{\mathcal{W}_{0}, \mathcal{C}_{0}, \mathcal{H}_{0}\}$
	5(-2)
c.	Give a name of one of the methods that is used to decompose pure substances into simpler compounds.
	BONUS: give a chemical equation for this process. ELOCIROLYSIS OF WATER
	12 H Om -> 2 H. m+ 0

MIXTURES:
DEFINITION: TWO OR MORE PURE SUBSTANCES MITTED TOGETHER

EACH SUBSTANCE RETAINS ITS OWN PROPERTIES

HOMOGENOUS MIXTURES: ONE SUBSTANCE IS DISSOLVED IN ANOTHER CREATING ASUBSTANCE THAT LOOKS

a. Solutions: A HOMOGENEOUS MITTURE

THAT APPEARS THE SAME THROUGOUT

Heterogeneous mixtures: TWO OR HORE SUBSTANCOS MIYED TOGETHER HONTHE MITTURE HAS UNEVEN DISTRIBUTION OF THE SUBSTANCES

a. Suspensions

How are different types of mixtures different from each other?

Туре оf Міжчте	Tyndall Elfect (Ye/No)	Particles will settle out (sediment) (Yes/No)	The approximate	Number of different pharer
Solution	N	NO	11nm	3
Colloid	YES	NO	Imm - Jum	3
Suspension		YES	>1µm	3

4. Give 5 examples of solutions and for each identify a solute and a solvent:

SOLUTION	SOLVENT	SOLUTE
SALT WATER	WATER	SALT (Nace)
60 % H202	WATER	H202
COCACOLA.	WATER	SUGAT, CO2
Analgam	MERCURY	GolD
AIR	HYDROGON GALES	6 AS