

# PURE SUBSTANCES AND MIXTURES

Q1) Use the words below to complete the sentences (drag the words into the blanks):

MIXTURES – SINGLE SUBSTANCE – DIFFERENT MATERIALS – HETEROGENEOUS - ROCKS –  
PURE SUBSTANCE – AIR – SALT WATER – HOMOGENEOUS -

Gold is a \_\_\_\_\_ because it is made up of a \_\_\_\_\_. Most things around us are \_\_\_\_\_, because they are made up of \_\_\_\_\_. \_\_\_\_\_ is a mixture of gases, \_\_\_\_\_ is a mixture of water, salt and minerals and many \_\_\_\_\_ are mixtures of different minerals. We can find two types of mixtures: \_\_\_\_\_ mixtures and \_\_\_\_\_ mixtures.

Q2) Choose the type of matter for each material shown in the figure:



Salt - NaCl



dyed fabric



Coke



paint



Pond



distilled water



gold

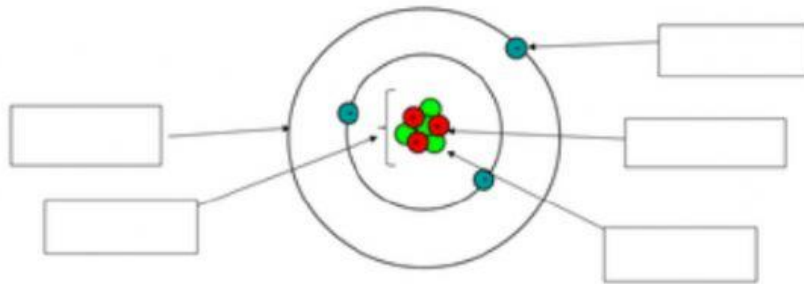


air

## Atoms and Periodic Table

Q1) Study the following atom and use the word bank below to fill in the blanks:

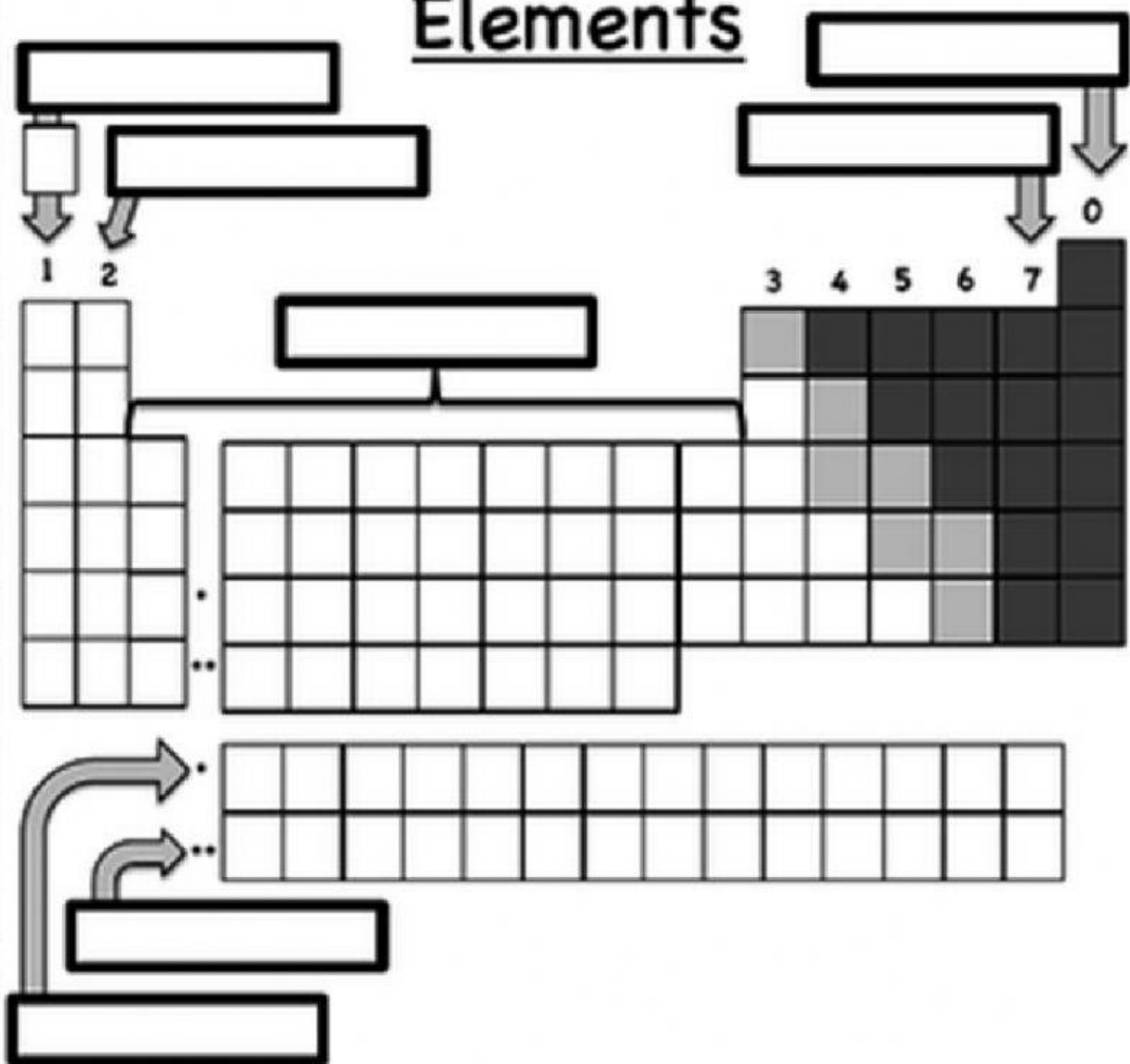
( Protons, Electrons . Neutrons. Nucleus. Shell )



Q2) Each Shell has its own Energy Level, Fill in the capacity of each shell in the table below

Atom Shell No.	Electrons Capacity
1	
2	
3	

# The Periodic Table of Elements



Use the following names to label your periodic table:

- ✓ Noble Gases
- ✓ Alkali Metals
- ✓ Halogens
- ✓ Alkali Earth Metals
- ✓ Transition Metals
- ✓ Actinides
- ✓ Lanthanides

Draw lines to match up the shaded region to the correct label:



Non metals
Metals
Metalloids