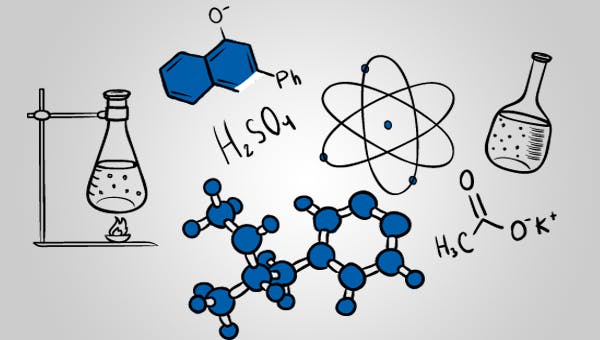
**Year 8 Chemistry Test**

Student Name: Cristian Castro

Goals:

* Cristian can draw, describe and identify examples of solids, liquids and gases.
* Cristian can identify the processes that change the states of matter.
* Cristian can give the symbol/name for most of the first 20 elements.
* Cristian can identify elements, compounds and mixtures.
* Cristian can identify the number of protons, neutrons and electrons when given instructions.



Teacher comment:

**Question 1**

Graphical user interface, text, application, email

Description automatically generated

**Question 2**

Graphical user interface, text, application, email

Description automatically generated

**Question 3**

Table

Description automatically generated

**Question 4**

Identify the change of state that is happening in each situation:

Text

Description automatically generated with low confidence

**Question 5**

In each box, write the change of state that is taking place:

Words:

Diagram

Description automatically generated

**Question 6**

Rahul takes a shower, makes a cup of tea and then hangs his washing outside to dry. For each scenario, identify the change(s) of state happening and describe what is happening to the water molecules.

Text

Description automatically generated

Text, letter

Description automatically generated

**Question 7**

For each property, explain why it is possible in terms of how the particles are arranged:

Text

Description automatically generated

**Question 8**

Table

Description automatically generated

**Question 9**

1. How many protons, neutrons and electrons do each of the following atoms have?
2. For an extra challenge: Can you work out the atomic number and the atomic mass. Remember – the atomic number is number of protons in the nucleus, while the mass number is the number of protons plus the number of neutrons.
3. Can you identify which elements each atom belongs to?

Diagram

Description automatically generated with medium confidence

**Question 10**

Complete the table by giving the element name or symbol where appropriate.

Table

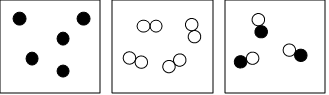
Description automatically generated

**Question 11**

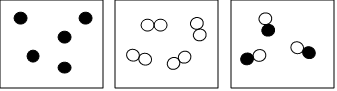
For the following question, circle the correct box.

Which of the boxes contains:

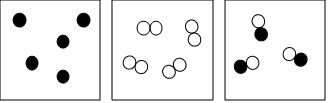
a) Molecules of an element?



b) Molecules of a compound?



c) Atoms of an element?



**Question 12**

How many elements make up each compound?

a) HCl b) CaCO3 c) HNO3 d) H2SO4 e)CH3OH

a) \_\_\_\_ b) \_\_\_\_ c) \_\_\_\_ d) \_\_\_\_ e)\_\_\_\_

**End of Test**