**Primary 4 General Study Quiz 2**

1) Most ancient civilisations began near \_\_\_\_\_\_\_\_\_\_ such as in China and Egypt.

2) Water is used in \_\_\_\_\_\_\_\_\_\_\_\_\_ production, \_\_\_\_\_\_\_\_\_\_\_\_ production and driving different \_\_\_\_\_\_\_\_\_\_\_\_\_ .

3) State 4 uses of water.

(a) \_\_\_\_\_\_\_\_\_\_\_\_\_

(b) \_\_\_\_\_\_\_\_\_\_\_\_\_

(c) \_\_\_\_\_\_\_\_\_\_\_\_\_

(d) \_\_\_\_\_\_\_\_\_\_\_\_\_

4) Moving water provides \_\_\_\_\_\_\_\_\_\_\_\_ power. In a hydropower plant, \_\_\_\_\_\_\_\_\_\_\_\_ water pushes the turbine, driving the generator to produce \_\_\_\_\_\_\_\_\_\_\_\_.

5) States 3 properties of water.

(a) \_\_\_\_\_\_\_\_\_\_\_\_\_

(b) \_\_\_\_\_\_\_\_\_\_\_\_\_

(c) \_\_\_\_\_\_\_\_\_\_\_\_\_

6) What are the different states of water?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7) When heated, ice \_\_\_\_\_\_\_\_\_\_\_ and turns into water.

8) When heated, water \_\_\_\_\_\_\_\_\_\_\_ and turns into \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .



9) When cooled, water vapour \_\_\_\_\_\_\_\_\_\_\_\_\_ into water.



10) When cooled, water freezes and turns into

\_\_\_\_\_\_\_\_\_\_\_ .



11)

(a) As water droplets increase in size, they fall onto the ground as \_\_\_\_\_\_\_\_\_\_.

(b) When water is heated by the Sun, it evaporates and turns into \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

(c) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ comes into contact with cool air and condenses into tiny water droplets. The water droplets gather in the sky and form \_\_\_\_\_\_\_\_\_.

The above process is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

12) Water from \_\_\_\_\_\_\_\_\_\_\_\_\_\_ has been imported from the Mainland to meet the needs of the people in Hong Kong.

13) The Hong Kong government has built a number of \_\_\_\_\_\_\_\_\_\_\_ to collect rainwater.

14) \_\_\_\_\_\_\_\_\_\_\_ is added to tap water to protect our teeth.

15) Water from reservoirs undergoes the processes of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ in water treatment works. \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_ are added to the water.

16) States 4 properties of air.

(a) \_\_\_\_\_\_\_\_\_\_\_\_\_

(b) \_\_\_\_\_\_\_\_\_\_\_\_\_

(c) \_\_\_\_\_\_\_\_\_\_\_\_\_

(d) \_\_\_\_\_\_\_\_\_\_\_\_\_

17) When heated, air \_\_\_\_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_\_\_\_ air nearby moves in to fill the space. The movement of air results in \_\_\_\_\_\_\_\_\_\_.



18) How does a windmill works? Write 1 to 3.

( ) The spinning of blades drives the generator.

( ) Wind makes the blade of the wind turbine spin.

( ) The generator produces electricity.

19) What is the following gases in air?

(a) Gas A makes up 78% of air: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(b) Gas B makes up 1% of air: \_\_\_\_\_\_carbon dioxide \_\_\_\_

(c) Gas C makes up 21% of air: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(d) We need Gas \_( A / B / C )\_\_ to survive.

(e) I breathe in Gas \_\_\_\_\_\_ and breathe out Gas \_\_\_\_\_\_ and water vapour.

20) \_\_\_\_\_\_\_\_\_\_\_ is needed to burning. When it is used up, the fire \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

21) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is given off in burning.

22) Why do people fan the barbeque fire?

It is because fanning makes the air flow. It increases the supply of \_\_\_\_\_\_\_\_\_\_\_ needed in burning.

23) Why is sand used to put out fire?

It is because sand can separate fire from \_\_\_\_\_\_\_\_\_\_\_\_\_ . It is often used to put out fire by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the oxygen supply.

24) Why does people paint the iron gates?

It is because coating the gate with paint will separate the \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ . It helps prevent the gate from \_\_\_\_\_\_\_\_\_\_\_\_\_.

25) Most plants can produce their own food. The \_\_\_\_\_\_\_\_\_\_\_\_\_ in the leaves uses sunlight as energy and produces food using \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Sugar is produced and is stored in the form of \_\_\_\_\_\_\_\_\_ for plant growth.



26) Plants produce food by the process called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. During this process, plants take in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and give off \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

**Answer**

1) river

2) industrial , power , machines.

3) Farming , Water transport, fish farming, industrial production, fire fighting, driving machines, power production (any 4)

4) driving , moving , electricity

5) no colour , no taste , no smell

6) Gas, liquid, solid

7) melts

8) evaporates, water vapour

9) condenses

10) ice

11) (a) rain (b) water vapour (c) Water vapour, cloud (d) Water cycle

12) Dong Jiang

13) reservoirs

14) Flouride

15) Sedimentation, filtration, Chlorine, fluoride

16) No colour, no smell, no taste, no shape

17) rises, nearby, wind

18) 2, 1, 3

19) (a) Nitrogen , (c) Oxygen, (d) C , (e) C, B

20) Oxygen, goes out

21) Carbon dioxide 22) oxygen 23) oxygen, cutting off 24) air, water, rusting

25) chlorophyll, water, carbon dioxide, starch

26) photosynthesis, oxygen, carbon dioxide