**III PERIODIC TEST**

**SUBJECT – SCIENCE**

**CLASS – 4**

**Answer key**

1) i) b) typhoid 1X4=4M

ii) c) global warming

iii) c) hot gases

iv) c) constellation

2. a) pollutants b) deforestation c) northern hemisphere 1X3=3M

Answer the following

3) a) The addition of pollutants in the soil is called land pollution. 1M

b) Dumping of industrial waste on the land/soil also causes pollution.

Improperly maintained landfill also adds to the existing land pollution.

Spraying of fertilisers, pesticides and insecticides on the crops adds harmful chemicals into the soil and causes soil pollution.

Improper disposal of household waste such as throwing of cans and plastic bottles, littering of polythene bags causes land pollution. (any 1)

4) Axis – Is an imaginary line which passes through north and south pole of the earth. 1M

Equator – an imaginary line that divides the earth into two equal halves. 1M

5) a)

|  |  |
| --- | --- |
| BIODEGRADABLE | NON-DEGRADABLE |
| The waste which decomposes and mixes with the soil. | The waste that never decomposes but remains in the soil for a very long timeand pollutes it. |
| Ex – peels of fruits and vegetables, Leather and wood. | Ex – plastic, metal, glass, rubber, polythene bags |
| (½ + ½ M) | (½ + ½ M) |

b)

|  |  |
| --- | --- |
| ROTATION | REVOLUTION |
| Spinning of the earth on its own axis is called rotation. | The movement of of earth around the sun in an orbit is called revolution. |
| Earth takes 24 hours to complete one rotation. | Earth takes 365 days and 6 hours to complete one revolution. |
| Rotation causes day and night. | Revolution causes seasons. |
| (any 2 points ½ each) | (any 2 points ½ each) |

6)

* Plant trees as they give out oxygen and help to purify the air
* Locate industries away from cities
* By regular pollution check of vehicles
* Tall chimneys should be fitted with filters in factories.
* Use lead free petrol or CNG in the vehicles.
* Maintain proper drainage system to prevent its leakage into water bodies
* Prevent washing of clothes and bathing of animals in rivers or ponds
* Treat the factory waste before disposal.( any 4 points ½ each)

7) a) venus b) mars c) Jupiter d) mercury ( ½ each)

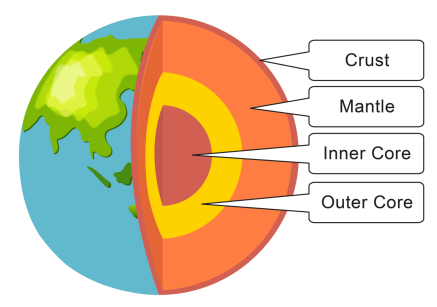
8) a) Reduce, reuse, recycle and refuse.( ½ each)

b) Rain that has harmful chemicals and causes damage to trees, crops and buildings. ( 1M)

9) Active volcano – eg: Mount Etna

Dormant volcano – eg: Mount Kilimanjaro

Extinct volcano – eg: Shiprock volcano (1M each)

10) a) Drawing – 1M

Labelling – 2M (½each)

b) Earth is called a blue planet because 70% of earth is covered with water. 1M

c) Moon 1M