Cosmo School

Science Revision Worksheet (Half Yearly)

Class Six

Chapter-1: Scientific Process And Measurement

1. Give the definition of **Science.**
2. What is **Measurement**?
3. What do you mean by **fundamental and derived units**? Explain.
4. What is called a **unit**?
5. Why are the multiples and sub-multiples of units necessary?
6. Mention the steps of scientific process in a flow chart.
7. Where are the standard meter scale and the standard measuring cylinder preserved?
8. How many system of measuring are there?
9. What are called **the system International** and **the C.G.S. system** of measurements?
10. A box is 16m long, 28m broad and 10m high. What is the volume of 100 similar boxes?
11. Fill up the following blanks:
    1 metric ton= ☐ quintal
    1 quintal = ☐ kilogram
12. Write down the formulae of area and volume.
13. How many fundamental units are there? What are they?
14. What is **candela**?
15. When was S.I unit introduced?

Chapter-2: Living World

1. What do you mean by living things?
2. Write down main characteristics of living things.
3. Classify living world and mention two characteristics of each kingdom with example.
4. Write down the differences between flowering and non-flowering plants.
5. What are the differences among Moss, Algae and Fern.
6. Write down the differences between Gymnosperm and Angiosperm plants.
7. Write down the differences between invertebrates and vertebrates.
8. What is a Thallophyta? Give example.
9. What is Pteridophyta? Give example.
10. Why is cycas called naked seed plant?
11. Why is Toad called an Amphibian? Explain.
12. Invertebrates are classified into which phylum? Write down their names.
13. How can you identify **Porifera** phylum?
14. Write down the general characteristics of **Mollusca** phylum.

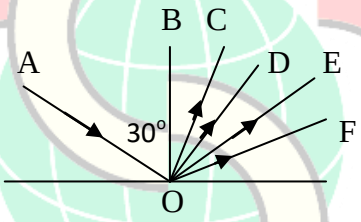
15. Write down the general characteristics of **Arthropoda** phylum.
16. Write down the general characteristics of **Annelida** phylum.
17. Write down the general characteristics of **Cnidaria** phylum.
18. What are the general characteristics of **Echinodermata** phylum?
19. Write down the general characteristics of **Pisces**.
20. Write down the general characteristics of the **Reptiles**.
21. Write down the general characteristics of the **Aves**.
22. Write down the general characteristics of **Mammals**.
23. Write down the phylum's names of the following animals:
    Leech, Mosquito, Earthworm, Butterfly,Cockroach, White ant, Bee, Silk Worm, Amoeba, Leda insect, Rice hispa, Star Fish, Sea urchins, Jelly Fish, Corals,

24. Write down the names of the classes of the following ones:
    Ruhi Fish, Toad, Lizard,Duck, Hen,Corocodile, Snake,Ostich,Penguin,Human Beings

Chapter-3: Cellular Organization of Plants and Animals

1. What **is cell**?
2. Which one is called the **basis of life**?
3. What is **cell membrane**?
4. Write down three differences between **plant** and **animal cell.**
5. Why **mitochondria** is called the powerhouse of cell?
6. Draw and label an animal cell.
7. Draw and label a plant cell.
8. Write down the characteristics of **plastid**.
9. What is **cell wall**? Write down the function of it.
10. What is **protoplasm**? Write down the function of it.
11. What is the difference between **Cytoplasm** and **Protoplasm**?
12. What is **Plastid?** Write its classification.
13. What is **vacuole?**
14. Write down the differences between **vacuole** and **cell sap**.
15. What is **nucleus**?
16. Draw a diagram of a complete **Nucleus** and define each part of it.
17. Mention two characteristics of **Chromatin fibre**.
18. What are the functions of cell in an organism.

Chapter-9: Phenomenon of Light

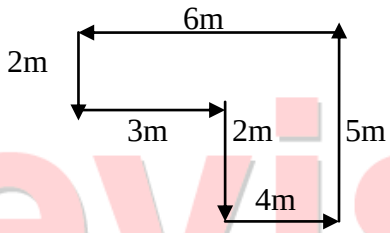
1. What do you mean by light?
2. How does light travel? What is the speed of it?
3. Define reflection of light and absorption of light.
4. What are luminous objects? Give example.
5. What are non-luminous objects? Give example.
6. How can you see any object? Explain.
7. Why can't the blind people see?
8. Write down the difference between regular reflection and irregular reflection.
9. What is image? Where is the image formed when you are in front of a mirror?
10. Define angle of incidence and angle of reflection.
11. What device can be made by applying the reflection of light?
12. How can we see an object by a periscope?
13. How can you make a periscope? Explain with diagram.
14. Write down three uses of periscope.
15. Why we can't see anything in the dark?
16. 

a) Which one is the reflected ray of AO?
b) Find out the value of reflected angle ∠BOE.

Chapter-10: Motion

1. Define **Rest** and **Motion** with examples.
2. What do you mean by **Reference Frame**. Define with example.
3. How many types of motion are there? What are they?
4. Give the definitions of the following motions with examples:
(a) **Translational** Motion
(b) **Rotational** Motion
(c) **Transla-rotatory** Motion
(d) **Periodic** Motion
(e) **Oscillatory** Motion
5. What is the difference between **distance** and **displacement**? Explain with example.
6. Write down the difference between **speed** and **velocity**.

7. Write down the difference between **acceleration** and **retardation**.
8. Give an example which is applicable for both Rotational and Periodic Motion.

9. 

Total time: 2 minutes.

(a) Find the distance and displacement.
(b) Calculate the average velocity.

10. State the motion of the given examples:
(a) Ceiling Fan
(b) Wheel of the bus
(c) Wall clock's pendulum
(d) Clock hands
(e) Walking along the road

Chapter-12: Origin And Formation Of The Earth

1. Write down the **Big Bang Theory**.
2. How was the earth created?
3. What is **Sun**? Write down a short note on it.
4. What is **Solar System?**
5. Why do we find the existence of lives in the earth but not in other planets?
6. Why can we the moon luminous though it doesn't have its own light?
7. The moon is how much smaller and the Sun is how much bigger than the earth?
8. Why do we see the moon and the sun same size though they aren't same in size actually?
9. What is **Atmosphere**?
10. Define **Troposphere** and **Stratosphere**.
11. Write the names of the Oceans.
12. Where do we find excessive rainfall ?
13. How many layers are there in the interior part of the earth? Write down short notes on each layer.
14. Describe **Plate Tectonic Theory**.
15. What is **earth-crust**?
16. What do you mean by **Soil**?

17. How are the soils formed from the hard rocks?
18. How many layers of soil are there? Describe each one.
19. What do you mean by **Minerals**?
20. What are **Fossil Fuels**?

Chapter-14: Environmental Balance And Our Life

1. What is **Environment**?
2. What are the components of the environment?
3. How the abiotic components of environment influence plant life?
4. How will you explain the inter dependence of plants and animals?
5. How the Dinosaurs became extinct?
6. How will you preserve the natural environment?
7. What do you mean by **Pollution**?
8. What is **non-living environment**? What are the main elements of non-living environment?
9. What do you mean by **Extinction Of Animals**?
10. Write down the

Lead Teacher's Signature

Subject Teacher's Signature