

# **BRAIN INTERNATIONAL SCHOOL**

**Term-2**

**CLASS VIII**

**2018-19**

## **Science Revision Sheet**

### **Chapter-6: Combustion & Flame**

- Q1. Explain the different types of combustion.
- Q2. What are the characteristics of an ideal fuel?
- Q3. The ignition temperature of a substance is lower than the room temperature. What will happen?
- Q4. How are fuels classified? Give two examples of each.

### **Chapter-7: Conservation of Plants and Animals**

- Q1. What is meant by flora and fauna? Explain giving examples.
- Q2. How does recycling of paper conserves our natural resources?
- Q3. What is the difference between endangered and endemic species?
- Q4. What are the Biosphere Reserves? What are the objectives of setting up Biosphere Reserves?

### **Chapter-8: Cell**

- Q1. Differentiate between prokaryotic and eukaryotic cell. Draw diagram also.
- Q2. Why are chromosomes called heredity vehicles?
- Q3. Where are the chromosomes found in a cell? State their functions.
- Q4. Explain the function of a human nerve cell.

### **Chapter-9: Reproduction in animals**

- Q1. What is the reproductive cell of human female called? Explain its function.
- Q2. Explain internal fertilization in humans. Name one organism that exhibits external fertilization.
- Q3. What are viviparous and oviparous organisms?
- Q4. Describe reproduction in Hydra. Draw diagram also.

### **Chapter-10: Reaching the age of adolescence**

- Q1. At which stage in a child's life does he/she become an adolescent? What marks the end of adolescence?
- Q2. What are the secondary sex characteristics in human males and females?
- Q3. What are hormones? Explain the functions of hormones other than sex hormones.
- Q4. What is menstruation and menstrual cycle? What happens in the body of a female during menstrual cycle?

### **Chapter-11: Force and Pressure**

- Q1. What are balanced forces?
- Q2. What are contact and non-contact forces?
- Q3. Explain Pascal's Law.
- Q4. Why do heavy vehicles have broad tyres?

### **Chapter-13: Sound**

- Q1. Name the characteristics of sound. Which of these is related to the amplitude of vibration?
- Q2. What is the audible range? Can we hear sound waves having frequency of about 100,000 Hz?
- Q3. What is the noise and noise pollution? How does noise pollution affect us? How can noise pollution be reduced?
- Q4. How does the waveform of noise differ from that of a musical sound?

### **Chapter-14: Chemical effects of Electric Current**

- Q1. Describe the chemical effects of electric current.
- Q2. Which metal is electroplated on bathroom fittings? Why is this metal used in electroplating?
- Q3. Explain the process of electroplating of copper on an iron spoon.
- Q4. What are the applications of electrolysis?

### **Chapter-15: Some Natural Phenomena**

- Q1. Explain the role of a lightning conductor in protecting a tall building from lightning.
- Q2. Suggest three measures to protect ourselves from lightning.

Q3. What happens when a charged cloud passes over a tall building/tree?

Q4. Mention the factors on which the damaging effect of an earthquake depends.

### **Chapter-16: Light**

Q1. Write the differences between:

- (i) Real image and virtual image
- (ii) Diffused reflection and regular reflection

Q2. Why does a ray of light passing through a glass slab not show dispersion? What are the laws of reflection?

Q3. Explain the structure of human eye.

Q4. Explain the dispersion of white light by a prism. Draw diagram also.

### **Chapter-17: Stars and The Solar System**

Q1. The moon is not a star but still it shines. Give reason.

Q2. How can the position of Pole star in the sky be located with the help of Ursa Major?

Q3. Explain three main uses of artificial satellites.

Q4. Why do planets not collide with each other during their journey around the sun?

### **Chapter-18: Pollution of Air and Water**

Q1. How do chlorofluorocarbons harm us on the earth?

Q2. How are the pollutants classified? Give one example of each type.

Q3. Describe the harmful effects of acid rain.

Q4. What should be the characteristics of potable water? How is the river water treated for city supply?

