

HOLIDAY HOMEWORK – 2019 – 2020

Class: VIII

Subject: Science - CHEMISTRY

S. NO	TOPIC	ACTIVITY	TIME PERIOD	SKILL ENHANCED / LEARNING OUT COMES	ANNEXURE NO
1	Fibres	Questions and Answers	$\frac{1}{2}$ hr	Knowledge Understanding Application	A
2	Polymers	Questions and Answers	$\frac{1}{2}$ hr	Understanding	B
3	Synthetic fibres	Questions and Answers	1hr	Knowledge Understanding Application	C
4	Plastics	Questions and Answers	1 hr	Understanding Application	D
5	Project work	Collection of samples	1 hr	Understanding Application	E

**Annexure:**

- A] Fibres → Descriptive Questions → 5 Nos.  
 B] Polymers → Descriptive Questions → 5 Nos.  
 C] Synthetic fibres → Descriptive Questions → 16 Nos.  
 D] Plastics → Knowledge and application based questions → 13 Nos.  
 E] Project work → Collection of Samples → One activity

**TEACHER'S NAME:** Mr V Govindaswamy**SIGNATURE****Recommended By**  
**Vice Principal****Approved By**  
**Principal**

**Class VIII**

**CHEMISTRY**

**Annexure [A]**

1. Write two examples for each of the following:
  - i) Natural fibres
  - ii) Synthetic fibres
  - iii) Plastics
2. What are fibres?
3. What is spinning?
4. What is weaving?
5. What are the common uses of fibres?

**Annexure [B]**

1. What are polymers? Give four examples.
2. What are monomers? Give four examples.
3. What is a polymerization reaction? Give four examples.
4. Is plastic a polymer?
5. Give two examples for each of the following:
  - i) Natural polymers
  - ii) Synthetic polymers

**Annexure [c]**

1. Name the first fully synthetic fibre.
2. What is the source of raw materials used for making synthetic fibres?
3. Name the man-made fibre prepared from natural materials.
4. How is rayon prepared? Write down its special properties and uses.
5. Name the man-made fibre which is regarded as artificial silk.
6. What is nylon? State its special properties.
7. State the uses of nylon fibres.
8. Describe an activity to show that a nylon thread is stronger than a cotton thread and a steel wire of the same thickness.
9. What is terylene? State its special properties.
10. State the uses of terylenefibres.
11. What is terrycotton?
12. What is terrywool?
13. What is PET?
14. What are acrylic fibres? State its special properties.
15. By which material artificial wool is formed?
16. State three uses of acrylic fibres.

## Annexure [D]

1. What are plastics? Name any five commonly used articles made of plastics.
2. Write the names of any four plastics.
3. Explain the common properties of plastics.
4. Explain why plastic containers are preferred for storing food.
5. Why are switches and plugs made of plastic?
6. Why are the handles of frying pans made of plastic?
7. Why are the handles of screw drivers made of plastic?
8. Why are electric wires covered with plastic?
9. Distinguish between thermoplastics and thermosetting plastics. Give two examples for each.
10. Distinguish between biodegradable and non-biodegradable materials. Give two examples for each.
11. Why are plastics considered a threat to our environment?
12. What are the various ways to save the environment from excessive plastic wastes?
13. What is meant by the 4R principle?

## Annexure [E]

1. Collect samples of fabrics made of-
  - a) Cotton
  - b) Nylon
  - c) Terylene
  - d) Terry cotton
  - e) Terry wool
  - f) Woolen fibres
2. Explain the special properties of each of these fabrics.