

Appendix E-1
SCIENCE COMPREHENSION OF A STORY
Thirsty Crow

Name of the student:

Roll No:

Name of the school:

Class:

Gender:

Division:

Read the story given below and answer the following questions

Once a thirsty crow was flying in the air to find some water for drinking, finally it could locate a jar with little water in it. Crow could see only some water in the jar. It flew away and picked up a small stone (pebble) and slowly dropped it into the jar. It again picked up another pebble and dropped it in the jar. Third time it could pick up a piece of coal available around and dropped into the jar. Then crow could pick up a piece of chalk, a small broken plastic spoon and also a Harda (batasa-a sweet solid sugar made piece) and dropped one after the other into the jar. Water level in the jar increased slowly. A happy crow picked up some more pebbles and dropped into the jar. Finally the water level rose up to the brim. This way crow could drink water and while flying away it kicked the jar. Jar tumbled down and water started flowing downwards. Crow could see the pebble there and also a piece of coal, broken plastic spoon, well soaked piece of chalk as they were. Crow also saw Harda but small in size, picked it up and flew away.

Answer the following question linking it with the science concepts which you have already studied

Q 1. Crow dropped a Harda (batasa-a sweet solid sugar made piece) into the jar with water. (2)

Result:

Reason:

Q 2. Crow dropped pebbles into the jar with water (2)

Result:

Reason:

Q 3. Crow dropped a broken plastic spoon into the jar with water (2)

Result:

Reason:

Q 4. Crow dropped a piece of chalk into the jar with water (2)

Result:

Reason:

Q.5. Identify the substances belonging to different states of matter mentioned in the story and classify them according to their state of matter. (7)

Q.6. List the scientific aspects and principles included in this story (5)

Appendix E-2
SCIENCE COMPREHENSION OF A STORY
Cap Seller and Monkeys

Name of the student:

Roll No:

Name of the school:

Class:

Gender:

Division:

Read the story given below and answer the following questions

One fine winter morning a cap seller started his journey towards the nearby city from his village. He heard that there was a mela in the nearby city and thus thought that he will have great sell. The cap seller in hurry of reaching the city took up a way up high hill following a forest so that he can reach his destination early. Carrying up a bag filled with cap he started climbing up hill but he started sweating and then came the jungle he thought of taking rest for a while. As he was sweating he took off his acrylic jacket and kept it aside along with the bag of caps. While he took off his jacket there came some sound and a spark was seen but he did not bother about it. Taking support of the tree he took a nap for some while. There were monkeys on the tree, below which the cap seller was taking rest. While the cap seller was taking a nap one of the monkeys came down and took off a cap and climbed up. Seeing this all other monkeys also one by one came down and carried off the caps. When the cap seller got up he found his bag empty. He started searching for caps and suddenly he heard some sound. He saw up and found number of monkeys wearing caps. He was amazed and upset. Out of anxiety he took a stone and threw it towards the monkeys. One of the monkeys took wild fruit from the tree and threw it back towards the cap seller. Suddenly an idea clicked the cap seller. He took off his cap and left it. The monkeys also imitated him. They all took off their caps and left it. The happy cap seller got back his caps. He picked them up, kept them in the bag and happily moved towards the city.

Q.1. The cap seller started sweating climbing up hill.

(1)

Reason:

Q.2. The monkey took a wild fruit from the tree and threw it.

(2)

Result

Reason:

Q.3. The cap seller took off his cap and left it. (2)

Result

Reason:

Q.4. Cap seller could hear some sound coming from his jacket when he took off his acrylic jacket (1)

Reason:

Q.5. Name the different types of fundamental forces involved in the above mentioned story along with the instance where the force is involved. (4)

Q.6. List the scientific aspects and principles included in this story (5)

Appendix E-3
SCIENCE COMPREHENSION OF A STORY
Clever Gardner

Name of the student:

Roll No:

Name of the school:

Class:

Gender:

Division:

Read the story given below and answer the following questions

There lived an old man in a small village. He earned his livelihood as a gardener. He did gardening in the nearby town. One fine morning he started for his work. On his way he saw a metal shop. The metal was being cut with the help of a metal cutter. He watched the scissors and then took his way. He also found a tailor cutting cloth to prepare shirt. He found another shop where the pan wala was preparing pan. He saw the panwala cracking the nuts very fast and very easily. The gardener purchased one pan ate it and went ahead. Finally he reached his destination. Started cutting the unwanted branched using gardeners' scissors, gave them a beautiful shape, and collected the waste in the trolley. He was instructed to cut the grass. He took the grass cutter and swept the garden. While coming back he saw the children playing in the park. There were many children playing on the see saw, swing and many other scientific instruments. Suddenly he saw group of children working hard to up lift the big trunk of the tree which had fallen due to the storm last evening. The gardener watched the children for some while. Then he went close to the children and took a long stick from the nearby tree. He told the children to move aside and put the long stick below the trunk of the tree, pushed it and the children clapped out of joy. They found that the trunk which was not moving little bit was now taken off. Overjoyed the children asked the gardener the reason as to why it was difficult for all of them together to move the trunk and when there was a stick kept underneath it, the trunk could be moved easily. To this the gardener said he is illiterate but he said there is some science involved and asked the children to talk to their science teacher to explain the principles of science involved.

Q.1. If the scissors of gardener is exchanged with the scissor of tailor (2)

Result

Reason

Q.2. If the scissors of gardener is exchanged with the scissor used to cut metal (2)

Result

Reason

Q.3. Draw different types of scissor used in the above story. (3)

Q.4. List down two instruments used in the story which are same type of lever and also indicate its type. (2)

Q.5. Name at least five instruments used in the story to make the work easy (5)

Q.6. what is the principle of science which is involved because of which the heavy trunk of tree could be easily removed? (1)

Appendix E-4
SCIENCE COMPREHENSION OF A STORY

Foolish Donkey and Clever salt merchant

Name of the student:

Roll No:

Name of the school:

Class:

Gender:

Division:

Read the outline of the story given below and answer the following questions:

A salt merchant stays near the sea --- loads his donkeys with salt packed in jute bags -
--- sells in nearby city. One donkey was very lazy ---- used to curse his fate. Donkey
tumbles over a rock ---- Accidentally falls into water ---- while crossing bridge ---
heavy load becomes very light. Use this trick every day. Shrewd merchant suspects
something ---- keeps watch and discovers donkey's trick. Decides to teach him a
lesson – loads him with cotton instead of salt. Donkey falls into water as usual ---
comes out tottering --- back almost breaks under heavy load. Decide to reform.

Q.1. Donkey tumbles over a rock in the river with the salt on his back (2)

Result:

Reason:

Q.2. Donkey takes a dip in water with cotton on his back (2)

Result:

Reason:

Q.3. Identify the type of fundamental forces involved in the story citing down the instances where the force is involved. (3)

Q.4. Cotton is porous. Name two porous substances. (2)

Q.5. Donkey found it difficult to walk on sea shore as compared to normal road. Give the reason why so? (1)

Q.6. List the scientific aspects or principles in this story. (5)