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Class: V

Sub.tec: Naina paswan

Subject: SCIENCE

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BASED ON N.C.E.R.T PATTERN

LESSON: 12. FORCE, WORK AND ENERGY

III. Name the type of energy used for the following.

1. Drying of clothes
2. Cooking of food
3. Moving a bus
4. Lifting of weights by our body

ANSWERS:

Ans 1. Heat energy

Ans 2. Thermal energy

Ans 3 Kinetic energy

Ans 4 gravitational potential energy.

IV. Give reasons for the following :

1. We put powder on the carom board before playing.
2. We put oil in machine parts.
3. We can't immerse empty glass into bucket full of water easily.
4. A ball moves faster on the plain ground rather than on the rough ground.

Ans 1. The result of smoothening is that friction between the striker and the board decreases and striker slides smoothly on the surface, not losing its momentum too quickly. Hence, we can say that sprinkling of powder on the carrom board reduces friction and makes sliding smoother and easier..

Ans 2. Applying oil to the moving part of machine is to reduce its friction while having movement against each other. EXPLANATION: The continuous movement between two parts which are connected with some joint produces heat energy due to the friction which act against each other.

Ans 3. Air is present all around us. An empty glass is filled with air if we do not put something else inside it. When an empty glass is inverted into a bucket containing water, water does not enter into the glass.

Ans 4. It is because the rough surface is having more friction than the smooth surface. A ball, rolls faster in a smooth surface because it is having

less or no friction at all to stop it. In the other case, there is friction to stop the ball.

TO BE CONTINUE.....