SNBP INTERNATIONAL & Sr. SECONDARY SCHOOL, CHIKHALI, PUNE (2024-25)

Affiliation No. 1130703

WORKSHEET-5

CLASS: VIII DIVISION: _____ SUBJECT: Science

PREPARED BY: Prathibha Hebbar LESSON: 9 – FRICTION

Q.1 Fill in the blanks

1. Friction is a _____ force.
2. _____ force always opposes motion.
3. _____ is sprinkled on the carrom board to reduce friction.
4. Friction produces _____ and causes _____.

Q.2: Very short answer questions.

1. When a graphite is used as a lubricant?
2. What happens if you rub your palms for a few seconds?
3. What is a sliding friction?
4. What is a drag?

Q.3 Answer the following questions

1. How we can reduce friction?
2. Write some disadvantages of friction.
3. Give reason -

a) Footballers use shoes with spikes.

b) It is easier to pull suitcase with wheels.

c) Weightlifters apply a lot of powder on their palms, before weightlifting.

Q 4 Give One-word for following questions

1. Q: The force that opposes motion between two surfaces.
2. Q: The type of friction experienced by objects at rest.
3. Q: The friction experienced by objects in motion.
4. Q: A substance used to reduce friction in machines.
5. Q: The process of reducing friction between moving parts using oil or grease.
6. Q: The type of friction that occurs when an object rolls over a surface.
7. Q: The type of friction that occurs when an object slides over a surface.
8. Q: The force that acts perpendicular to the surfaces in contact.
9. Q: The friction experienced by objects moving through a fluid.
10. Q: Grooves in tires increase this type of friction.

11. Q: The part of shoes designed to increase friction.

12. Q: The force that opposes motion and causes wear and tear.

13. Q: A device used to reduce rolling friction in machines.

14. Q: The condition when frictional force is entirely eliminated.

15. Q: The force required to overcome static friction and start motion.

Subject Tr **HOD** **Co Ordinator** **Principal**