

INTERNATIONAL INDIAN SCHOOL, JEDDAH.

SCIENCE WORKSHEET. VI-VIII(BS).

Class – VIII

Chapter: Friction

I. Fill in the blanks

1. Friction always acts in the direction \_\_\_\_\_ to the direction of applied force.
2. The boats and aeroplanes are \_\_\_\_\_ so as to reduce fluid friction.
3. Friction always opposes \_\_\_\_\_
4. Friction is caused by \_\_\_\_\_ on the surfaces in contact.
5. Friction between moving parts can be reduced by \_\_\_\_\_.

II. Answer the following questions.

1. Why machine oil is put on moving parts of a machine?

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2. Why does a rough surface have greater friction than a smooth surface?

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3. Why does a meteor burn on entering earth's surface?

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4. If you try to hold a glass with oil on your hands, it tends to slip why?

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5. Why do you think rolling friction is less than sliding friction?

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6. Write two factors affecting friction.

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\_\_\_\_\_

7. Name the device used for measuring force acting on an object.

\_\_\_\_\_

8. The type of friction acting in each situation.

a) Moving or a pushing a box on a floor. \_\_\_\_\_

b) Pulling a trolley. \_\_\_\_\_

c) Types of a driving car. \_\_\_\_\_

d) A book placed on the table. \_\_\_\_\_

9. Compare static, sliding and rolling friction.

\_\_\_\_\_  
\_\_\_\_\_

10. Write the factors that determine the friction exerted by liquids.

\_\_\_\_\_  
\_\_\_\_\_

11. Why do the vehicles, moving on fluids are specially designed?

\_\_\_\_\_  
\_\_\_\_\_

12. What are lubricants? Write any two examples.

\_\_\_\_\_  
\_\_\_\_\_

**13. Give reasons:**

The roads are cemented.

\_\_\_\_\_  
\_\_\_\_\_

Sole of shoes is made rough.

\_\_\_\_\_  
\_\_\_\_\_