

### Lesson 12- Friction

I. Fill in the blanks :

1. The force of friction always act in the \_\_\_\_\_ direction to the applied force.
2. \_\_\_\_\_ comes into play when we try to move an object at rest.
3. \_\_\_\_\_ comes into play when an object is sliding over othe object.
4. Sliding friction is always \_\_\_\_\_ than static friction.
5. Friction can be \_\_\_\_\_ by using lubricants.
6. Friction is the force which \_\_\_\_\_ the relative motion between two surfaces.
7. Friction can be increased by making a surface \_\_\_\_\_.
8. The friction force exerted by fluid is also called \_\_\_\_\_.
9. The common name of gases and liquids is \_\_\_\_\_.
10. Name the device used for measuring the force acting on an object \_\_\_\_\_.

II Answer the following

1. Name two methods of reducing friction.
2. Why the soles of shoes and tyres of cars, truck etc are grooved.
3. What is the cause of friction.
4. How the fluid friction can be minimized.

III Define friction.