



## What are the effects of friction?

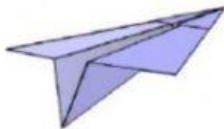
Fill in the blanks with the words given in the word bank.

- \_\_\_\_\_ is the force which opposes motion when two surfaces are in contact.
- Friction can \_\_\_\_\_ or stop moving objects.
- Friction is also known as \_\_\_\_\_.
- Friction is \_\_\_\_\_ between rough surfaces than between smooth surfaces.
- \_\_\_\_\_ is friction between the surface of the object and the air.
- An object with \_\_\_\_\_ surface area will experience greater air resistance.

|           |                |                  |
|-----------|----------------|------------------|
| slow down | air resistance | frictional force |
| larger    | friction       | greater          |

Which type of force is present in the following pictures?

| Forces acting                                                                       | Friction or air resistance? |
|-------------------------------------------------------------------------------------|-----------------------------|
|  |                             |
|  |                             |

|                                                                                    |  |
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|  |  |

Look at the cars and road surfaces below, Put the different surfaces in order, starting with the surface with the most friction.

1) Tarmac



This car travelled 27cm

2) Grass



This car travelled 22cm

3) Ice



This car travelled 52cm

4) Sandpaper



This car travelled 28cm

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_