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#### Vocabulary

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#### Forces—pushes and pulls

Friction — a force that acts between two surfaces or objects that are moving or trying to move across each other.

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Magnet—an object that produces a magnetic force.

Magnetic field—the area around a magnet where there is a magnetic force.

Poles- North and South poles are found at different ends of the magnet

Repel- repulsion is a force that pushes objects away

Attract— Attraction is a force that pulls objects together.

h Ŋ **Key questions** Which surfaces cause the most friction? 6 How can friction between surfaces be

reduced?

Which metals are attracted to magnets?

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# **Key Knowledge**

Different surfaces create different amounts of friction. The amount of friction created by an object moving over a surface depends on the roughness of the surface and the object, and the force between them.







## 6 Skills Plan—Ask relevant questions Set up simple practical enquiries Q Observe—Make systematic and careful observations Record—Gather, record, classify and present data Record findings using scientific language, drawings and charts 0 Identify differences and similarities h Common misconceptions. the bigger the magnet the stronger it is all metals are magnetic. Key outcomes Be able to Compare how things move on different surfaces Notice that some forces need two objects to be touching but that magnets can act if they are not touching Observe how magnets attract and repel some materials Compare and group everyday materials according to whether they are attracted to a magnet Identify some magnetic materials