



Forces and Motion

Name: _____

Date: _____

Grade: Grade 3

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A force that slows motion between two surfaces is called _____ .
2. A rough surface like sandpaper has _____ friction than glass.
3. Ice feels slippery because it has very _____ friction.
4. Tire treads are the grooves that help a car _____ the road.
5. A box slides easily on a smooth floor because there is less _____ .
6. Rubbing your hands together fast makes them feel _____ .
7. A rubber shoe sole gives more _____ than a plastic one.
8. To slide faster on a slide, we choose a very _____ surface.
9. On icy roads, cars need chains to _____ friction so they do not slip.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Sandpaper on wood	→		A lot of friction, hard to slide
A smooth ice rink	→		Very little friction, slides easily
Rubber tires on a dry road	→		Enough friction to grip safely
A greased metal slide	→		Low friction from a slippery coating

Answer Key · Forces and Motion · Grade: Grade 3

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A force that slows motion between two surfaces is called friction .
2. A rough surface like sandpaper has more friction than glass.
3. Ice feels slippery because it has very little friction.
4. Tire treads are the grooves that help a car grip the road.
5. A box slides easily on a smooth floor because there is less friction .
6. Rubbing your hands together fast makes them feel warm .
7. A rubber shoe sole gives more grip than a plastic one.
8. To slide faster on a slide, we choose a very smooth surface.
9. On icy roads, cars need chains to increase friction so they do not slip.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Sandpaper on wood	→ <u>A lot of friction, hard to slide</u>	A lot of friction, hard to slide
A smooth ice rink	→ <u>Very little friction, slides easily</u>	Very little friction, slides easily
Rubber tires on a dry road	→ <u>Enough friction to grip safely</u>	Enough friction to grip safely
A greased metal slide	→ <u>Low friction from a slippery coating</u>	Low friction from a slippery coating