

# Force and Motion

Match the words to their definitions.

- \_\_ Force
- \_\_ Motion
- \_\_ Pull
- \_\_ Push
- \_\_ Friction

- A. to move something away from you
- B. the action of moving or changing position
- C. an object pushing on another object, slowing it
- D. to move or haul something towards yourself
- E. a push or a pull

What does Pauly Polar Bear need to win the race?

Circle the answers, and then explain:

- rough track      smooth track
- flat track      track with hills



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# Answer Key

Match the words to their definitions.

E Force

B Motion

D Pull

A Push

C Friction

A. to move something away from you

B. the action of moving or changing position

C. an object pushing on another object, slowing it

D. to move or haul something towards yourself

E. a push or a pull

What does Pauly Polar Bear need to win the race?

Circle the answers, and then explain:

rough track

smooth track

flat track

track with hills



Pauly needs a smooth flat track. A rough track would have friction, which would slow him down. A track with hills would also slow the cars motion. A flat track will help keep the car moving in a constant motion.

\*\* Here is a fun activity you can do to show students this

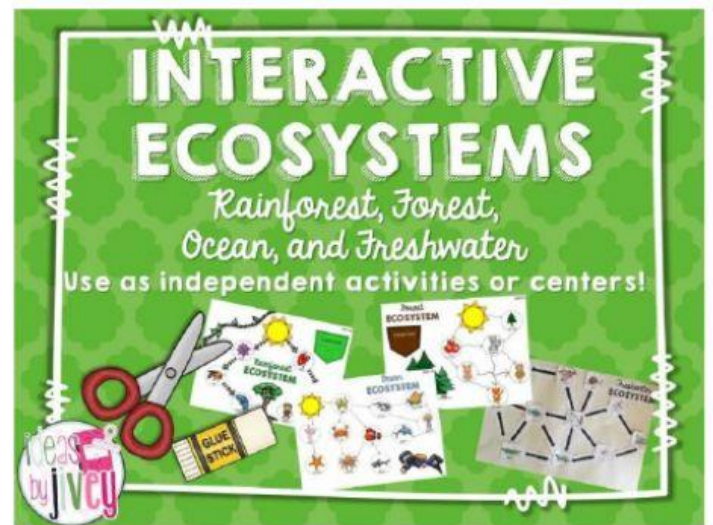
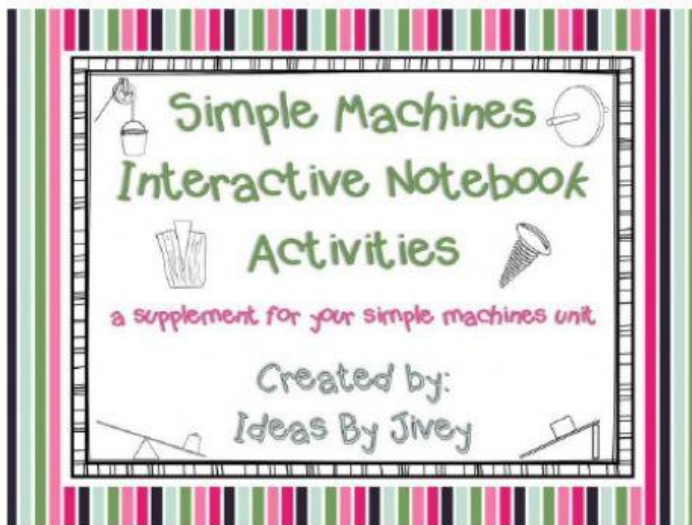
concept: <http://www.education.com/science-fair/article/car-friction/> jivey

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