

# 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

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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

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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

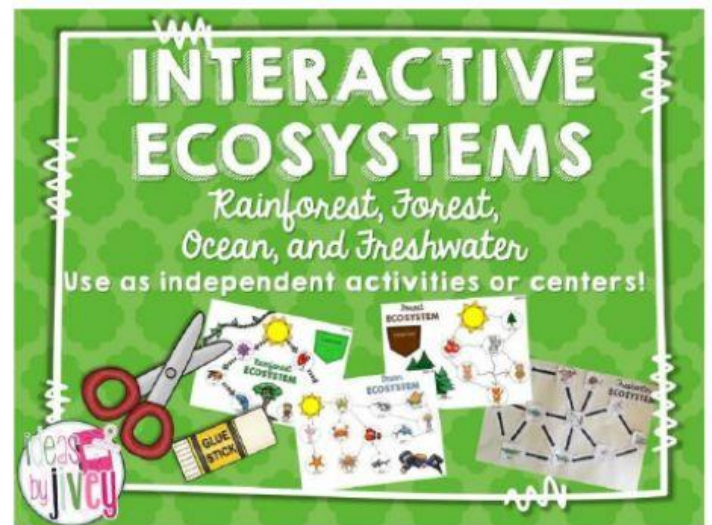
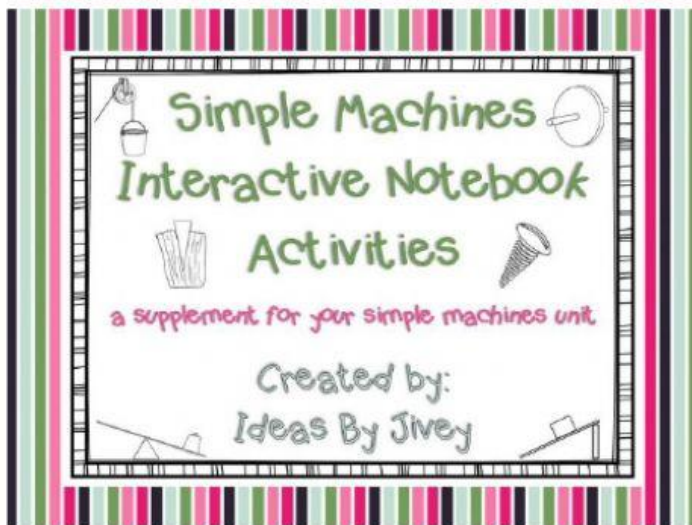


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