

Force and Motion in the Real World Worksheet

Directions: Read and consider each real-world example. Choose the best word(s) from the list of vocabulary terms to complete each sentence. Remember, each vocabulary term can be used more than once!

ACCELERATION	DISTANCE	FORCE	FRICTION	GRAVITY	INERTIA
	MASS	MOTION	SPEED		

1. A car hits a tree and doesn't stop, but keeps going until its severely damaged. Why? _____.
2. When a space capsule returns to Earth after a mission, it glows red-hot as it enters the atmosphere because of _____.
3. Kimberly dropped her pen and it fell to the ground because of the _____ of gravity.
4. Valerie and Betsy raced their cars. Although both cars traveled the same distance, Betsy's car crossed the finish line first because it has more _____ than Valerie's.
5. The blade of an ice skate melts the ice beneath it and reduces _____.
6. Joleen shoots an arrow at a target many feet away, but the arrow curves toward the ground before it gets to the target due to the force of _____.
7. When Anthony went down the slide, he experienced _____ because he changed position.

Force and Motion in the Real World Worksheet (continued)

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	MASS	MOTION	SPEED		

8. Sam decided to go on a long run. They got tired part way through and decided to walk the last three blocks home. Despite slowing their speed, this still shows _____.
9. Jordan has been practicing his soccer skills. If he applies more force when he kicks the ball, it will travel a farther _____.
10. Scott falls off his skateboard. He comes to a crashing stop against the sidewalk, but his skateboard rolls on because of _____.
11. Micha had a harder time moving the full box compared to the empty one because it had more _____.
12. The snowboard sits at the bottom of the hill, unmoving, until Andrea gets on it and pushes it along. _____ kept it from moving.
13. Jim's little sister isn't swinging very high, so he gives her a huge push to get her higher. This shows an increase in _____.
14. Motion on the moon is different than motion on Earth because they have different _____.
15. Martha rubbed two sticks together to help her start her campfire. This is an example of _____ being used to produce heat.