

Name: _____

Date: _____

Period: _____

Newton's Third Law: Equal & Opposite

Below are some examples of motion in the real world. Identify which are those that best show Newton's Third Law of Motion

- a. A roof supporting 10 inches of snow: _____
- b. A train crashing into a snowplow: _____
- c. A car sliding across an icy road: _____
- d. A kid bouncing off his sled when he hits a snow bank: _____
- e. A snowball smashing on your back: _____
- f. A car sliding into a tree & then bouncing back into the street: _____
- g. A person slipping as they throw a shovel full of snow: _____

Newton says that all forces come as Action – Reaction pairs where the action force is the one that pushes or pulls and the reaction force is the one that pushes or pulls back. For the examples you chose above as examples of Newton's Third Law of Motion, identify the action and reaction forces.

Example letter: _____ Action Force: _____
Reaction Force: _____

Example letter: _____ Action Force: _____
Reaction Force: _____

Example letter: _____ Action Force: _____
Reaction Force: _____

Example letter: _____ Action Force: _____
Reaction Force: _____

Example letter: _____ Action Force: _____
Reaction Force: _____

Example letter: _____ Action Force: _____
Reaction Force: _____

From today, provide an example of Newton's Third Law of Motion you experienced. Identify both action and reaction forces.