Name: _____Date: _____ Period: _____

Newton's Third Law: Action & Reaction

1. Every time your cat's paw hits her toy string, it swings away from her. How does this demonstrate Newton's third law of motion?

2. What happens when two objects, such as a baseball and a bat, collide?

3. What does an object do when it accelerates?

4. What determines an object's mass?

5. When two objects with unequal mass collide, what will they do?

6. A softball and a volleyball collide with equal speed, and then they accelerate at the same rate. What must be true about the masses of the objects?

7. During P.E., your soccer ball collides with the goalie. What happens to the soccer ball?

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