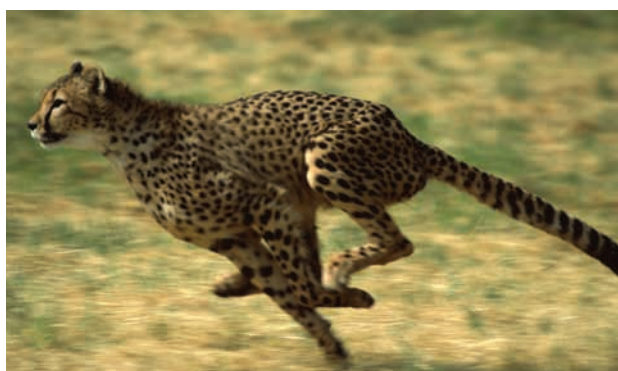


# Forces and Motion

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# Glossary

**acceleration** (ak-sel-uh-RAY-shuhn) any change in an object's velocity **(17)**

**distance** (DIS-tens) how far it is from one place to another **(13)**

**force** (FORS) a push or pull that acts on an object **(4)**

**friction** (FRIK-shuhn) a force that is present between objects or surfaces that are touching, opposing, or acting against their motion **(6)**

**gravity** (GRAV-uh-tee) the force that acts between objects that have mass, causing them to attract each other **(7)**

**inertia** (in-UR-shuh) a property that describes how objects tend to resist changes in motion **(21)**

**magnetic force** (mag-NET-tik FORS) the force produced by a magnet **(9)**

**motion** (MOH-shuhn) a change in the position of an object **(12)**

**position** (puh-ZISH-uhn) the location of an object **(12)**

**speed** (SPEED) the measure of an object's change in position over time **(14)**

**velocity** (vuh-LOS-i-tee) the measure of an object's speed in a certain direction **(16)**

**weight** (WAYT) the strength of the force of gravity on an object **(8)**

