

Key Vocabulary
Unit One: Balancing Forces
Grade 3

analyze: to make sense of data

attract: to pull on an object, even without touching it

balanced forces: multiple forces of equal strength acting on an object

data: observations or measurements recorded in an investigation

design: to try to make something new that solves a problem

diagram: an illustration that shows how something works or what its parts are

electromagnet: a kind of magnet that can be turned on and off

engineer: a person who uses science knowledge to design something in order to solve a problem

evidence: information that supports an answer to a question

exert: to cause a force to act on an object

explain: to describe how something works or why something happens

explanation: a description of why something works or why something happens

force: a push or a pull

gravity: the pull between Earth and other objects, which acts even without touching

investigate: to try to learn more about something

magnet: an object that pulls on some kinds of metal and pushes and pulls on other magnets, even without touching them

magnetic force: the push or pull between two magnets, or the pull of a magnet on some kinds of metal

model: something scientists make to answer questions about the real world

non-touching force: a force that acts between two objects that are not touching each other

observation: information that you gather with any of the five senses

observe: to use any of the five senses to gather information about something

pole: the part of the magnet that pushes or pulls

repel: to push on an object, even without touching it

touching force: a force that acts between two objects that are touching each other

unbalanced forces: multiple forces of unequal strength acting on an object