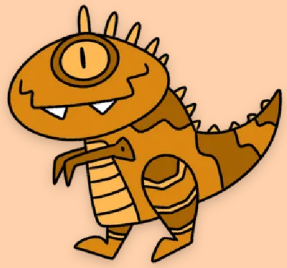
SCIENCE · FORCES AND MOTION · GRADES 3–5

Balanced or Unbalanced?

Circle balanced or unbalanced for six situations, then explain what unbalanced forces do to motion.

Name: _____ **Date:** _____



When forces are **balanced**, they cancel out and the object stays still or keeps moving the same way. When forces are **unbalanced**, the object speeds up, slows down or changes direction.

1. Circle balanced or unbalanced.

Two teams pull a rope and nobody moves.	balanced	unbalanced
A soccer ball starts rolling after a kick.	balanced	unbalanced
A book sits still on a desk.	balanced	unbalanced
A sled speeds up going down a hill.	balanced	unbalanced
A bike slows down when you stop pedaling.	balanced	unbalanced
A kite hangs still in a steady wind.	balanced	unbalanced

2. When forces are unbalanced, what happens to the way an object moves?

_____

_____

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