

## Balanced and unbalanced forces

### Grade 3 Science Worksheet

There is almost always more than one force acting on something.



If the forces acting on an object are unbalanced, or not the same, it will move or change shape.

### Try this:

Put a book on a table. With one hand, push the book a little bit. What happens?

---

---

---

---

---



Now put one hand on each side of the book. Push with both hands toward the middle. Try to put equal force on the book with each hand. What happens?

---

---

---

---

---



## Answers

### Try this:

Put a book on a table. With one hand, push the book a little bit. What happens?

*You put force on one side of the book. The force was unbalanced, so the book moved.*



Now put one hand on each side of the book. Push with both hands toward the middle. Try to put equal force on the book with each hand. What happens?

*If you push equally with both hands, the forces are balanced. The book does not move.*

