

# Natural Science Test – Flying, Floating & Friction (6th Grade)

Choose the correct answer (A, B, C or D).

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## ➔ Part 1: Flying Principles

1. What force helps an airplane go up into the air?

- A) Gravity
  - B) Lift
  - C) Friction
  - D) Weight
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2. What pushes an airplane forward?

- A) Lift
  - B) Drag
  - C) Thrust
  - D) Gravity
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3. What force pulls objects down to the Earth?

- A) Lift
  - B) Thrust
  - C) Gravity
  - D) Drag
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4. Which shape helps airplanes fly better?

- A) Flat and square
  - B) Round and heavy
  - C) Curved wings
  - D) Very thick wings
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5. What is drag?

- A) A force that pushes forward
  - B) A force that slows things down in the air
  - C) A force that lifts objects
  - D) A force from the engine
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## Part 2: Floating & Sinking

6. Why do some objects float?
- A) They are always heavy
  - B) They are less dense than water
  - C) They are very small
  - D) They are made of metal
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7. What happens when an object is denser than water?
- A) It floats
  - B) It disappears
  - C) It sinks
  - D) It explodes
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8. A big ship floats because:
- A) It is light
  - B) It is made of wood
  - C) Its shape spreads weight over water
  - D) It has no weight
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9. Which object will most likely sink?
- A) A plastic bottle
  - B) A wooden stick
  - C) A metal coin
  - D) A sponge
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10. What is density?
- A) The color of an object
  - B) How heavy something is for its size
  - C) The shape of an object
  - D) The temperature
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### Part 3: Rolling & Friction

11. What is friction?
- A) A force that helps movement
  - B) A force that slows movement
  - C) A type of energy
  - D) A type of material
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12. Which surface has more friction?
- A) Ice
  - B) Glass
  - C) Sandpaper
  - D) Water
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13. Why do wheels help objects move?
- A) They increase friction
  - B) They reduce friction
  - C) They stop movement
  - D) They make objects heavier
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14. Which situation has LESS friction?
- A) Sliding on sand
  - B) Rolling on a smooth floor
  - C) Walking on rocks
  - D) Dragging a box
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15. What happens when friction increases?
- A) Objects move faster
  - B) Objects stop more easily
  - C) Objects fly
  - D) Objects disappear