

ASVAB-SECTION-3^{Q&As}

ASVAB Section Three : Mechanical Comprehension

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QUESTION 1

The brakes on your car use the same force that stops your car if you just let it coast.

This force is called _____.

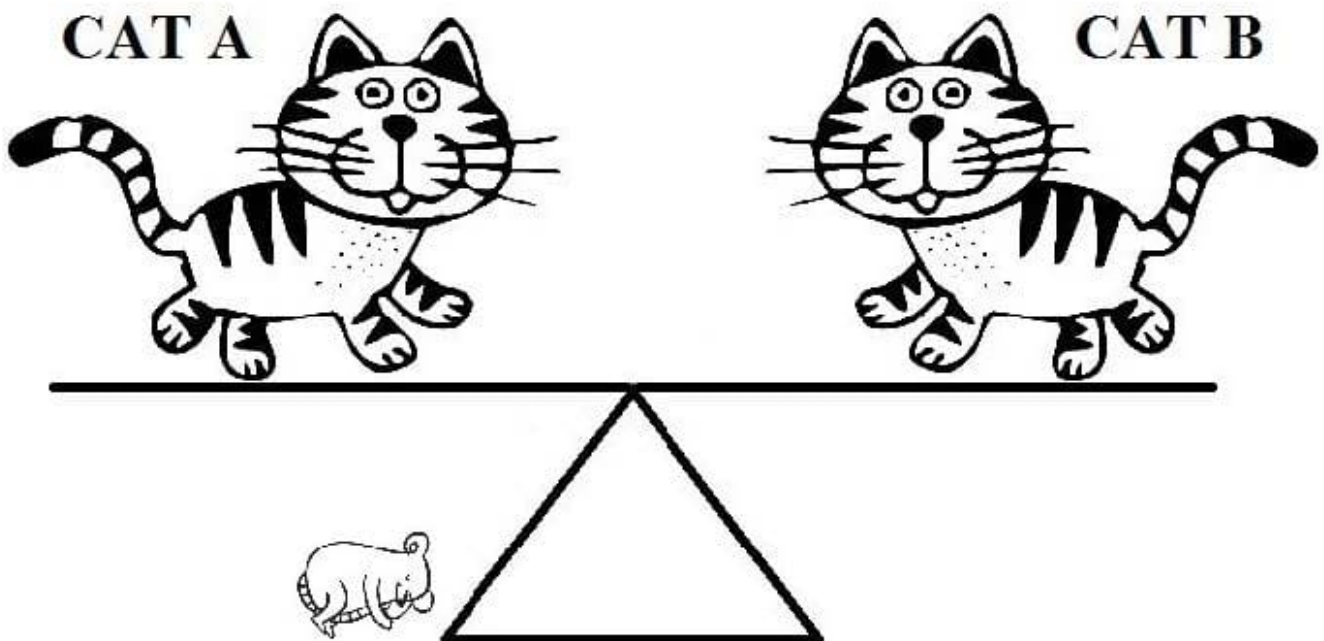
- A. velocity
- B. gravity
- C. friction
- D. newton

Correct Answer: C

Friction is used to stop a car.

The brakes rub against the wheel drum or the disc to cause the car to stop. This rubbing is creating friction.

QUESTION 2



In the figure above, if Cat A moves toward the middle of the seesaw to get a better look at the mouse, Cat B will _____.

- A. remain stationary
- B. move toward the ground
- C. rise in the air

D. instigate a cat fight

Correct Answer: B

The Cat B will move towards the ground.

QUESTION 3

Which of the following materials serves as a conductor?

A. Metal

B. Wood

C. Acrylic

D. Paper

Correct Answer: A

QUESTION 4

Which of the following would feel hottest at one end if the other end were placed over a fire?

A. A metal skewer

B. A wooden stick

C. A plastic rod

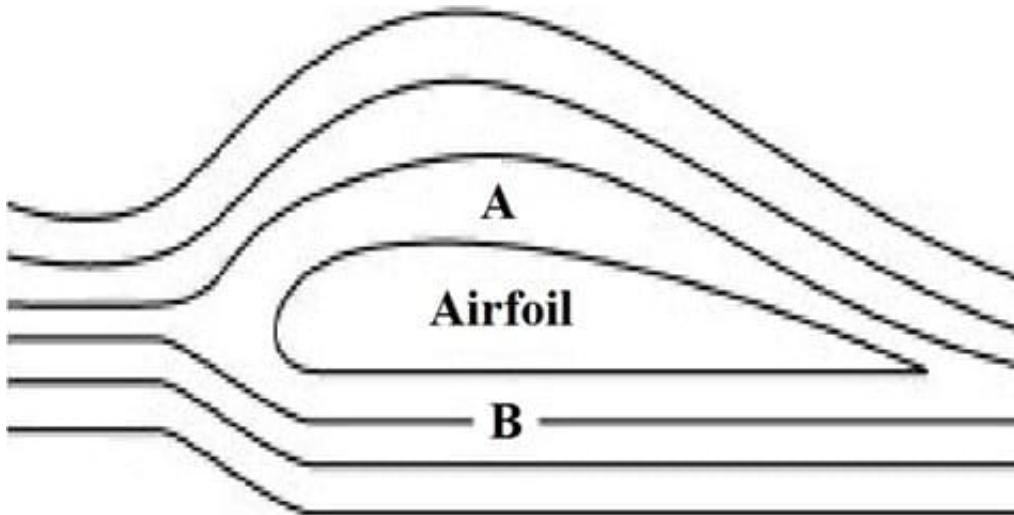
D. A rubber stick

Correct Answer: A

Of the four materials, metal is the best conductor of heat, so a metal skewer would feel the hottest.

QUESTION 5

The lift caused by an aircraft's wings is primarily due to _____.



- A. a decrease in pressure on the upper side of the wing (A)
- B. a decrease in pressure on the bottom side of the wing B
- C. a vacuum created under the wing at point B
- D. an increase in pressure on the upper side of the wing (A)

Correct Answer: A

When oncoming air meets the leading edge of the airfoil (wing), some of it goes over the top of the airfoil and some of it flows underneath. The air flowing over the top of the wing has to go further than the air underneath, because it must join together again with the air that flowed under the wing at the far (back) side of the wing ?physical laws act together to prevent or minimize vacuums in most cases.

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