





Read both passages and the 12 statements. Decide if each statement is supported by

- Passage A
- Passage B
- Both Passages
- Neither Passage

Passage A

Hanging clear, water-filled bags from doorways is an increasingly popular, and rather unlikely, new method for deflecting annoying—and potentially disease-carrying—flies from building entrances.

Some advocates claim that the flies recognize the liquid as the surface of a body of water while others—ludicrously—insist the insect flies away because it is frightened by its own magnified reflection. The most credible explanation, however, concerns the refraction of light.

Light rays travel in a straight line. Refraction is what happens when something—like a clear object such as a piece of glass or a bag of water—gets in the way. Hitting the object changes the ray's velocity and direction, bending, or refracting, it. Refracted rays of light can cause optical illusions, including such things as mirages that even confuse human eyes.

A fly's head consists primarily of a pair of large complex eyes, each composed of 3,000 to 6,000 simple eyes. This physiology allows the fly to see in multiple directions at once. Even though these eyes cannot move or focus on objects like human eyes, they grant the fly a mosaic view of its surroundings, and each simple eye provides one small piece of the puzzle. A housefly bases its sense of direction on the direction sunlight comes from, so when these complex, sensitive eyes experience refracted light, the fly becomes confused and flies away.

Although this explanation is persuasive and plausible, research conducted to replicate the results on fly-plagued poultry farms has been inconclusive.

