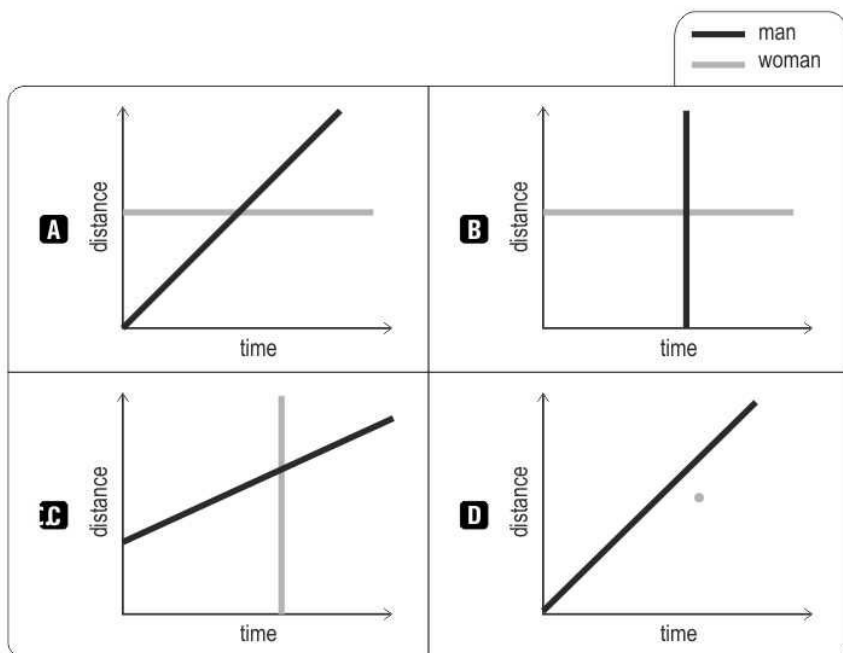


1 Which of the following may represent a man walking at a uniform speed and a woman standing at one point?



2 In cold weather, birds fluff up their feathers to keep themselves warm.



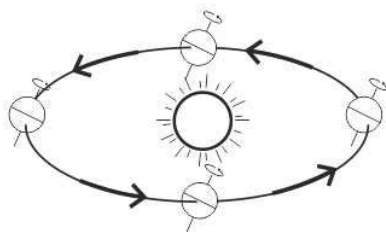
Snowy egret with feathers that are not fluffed

Snowy egret with fluffed feathers

Which of the following **BEST** explains how fluffing of feathers helps to keep the bird warm?

- A. Fluffed feathers increase the weight of the bird.
- B. Fluffed feathers cover more area of the bird's body.
- C. The air between fluffed feathers acts as an insulator.
- D. More heat from the air can be absorbed by fluffed feathers.

3 The diagram alongside shows the Earth's path around the Sun and the tilt of Earth's axis. Which of the following patterns on Earth is caused by the tilt of Earth's axis?



- A. seasons
- B. day and night
- C. years
- D. time zones

4 Three different substances P, Q and R are shown in three bottles.



Based only on what is seen, which of the following statements is **DEFINITELY** true?

- A. R is a gas.
- B. P is a solid.
- C. Q is a solid.
- D. P is a liquid.