Suppose you have a small brightly lit bulb, a mask (a cardboard screen with a small circular hole cut in it), and a screen. You see small circle of light on the screen. What would happen to the spot if you moved the bulb straight upward a bit?

PERSPECTIVE

VIEW

- A. The spot would stay where it was.
- The spot would move up a bit. B.
- C. The spot would move down a bit.
- D. The spot would move left a bit.
- The spot would move right a bit. E.
- F. Something else



6





Suppose you have a small brightly lit bulb, a mask (a cardboard screen with a small circular hole cut in it), and a screen. You see small circle of light on the screen. What would happen to the spot if you moved the screen straight upward a bit?

VIEW

- A. The spot would stay where it was.
- The spot would move up a bit. B.
- C. The spot would move down a bit.
- D. The spot would move left a bit.
- The spot would move right a bit. E.
- F. Something else





Suppose you have two lit bulbs, the top one red and the bottom one blue, a mask (a cardboard screen with a small circular hole cut in it), and a screen, as shown. What would you see on the screen if you held the bulbs one over the other as shown?

PERSPECTIVE

VIEW

- A. One purple circle.
- B. Two circles, one above the other with the top one red, the lower one blue.
- C. Two circles, one above the other with the top one blue, the lower one red.
- $D_{4/S}$ omething else. Phy

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8



You are sitting in a chair looking at two objects that are suspended from the ceiling. It appears to you that object A is above object B. When you stand up, object A appears to be below object B. Which of the two objects is farther away from you?

- A. Object A
- B. Object B
- C. They are both the same distance.
- D. You can't tell. It could be either one



Physics 132



What you see while sitting

What you see while standing

