

Ahmad and Jamal went to a clothing store to buy an orange shirt. On the way home, they opened up their bag to show a friend the new orange shirt. They were surprised to see that the shirt looked red instead of orange.



In the store



On the way home

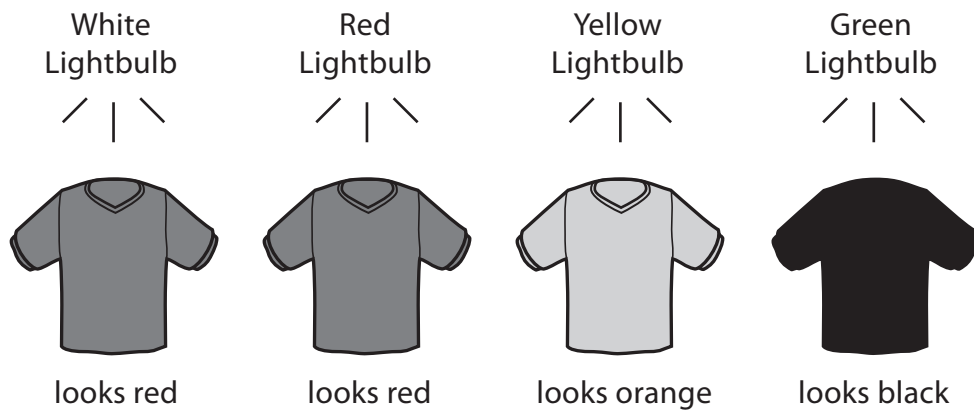
Ahmad thought they were given the wrong shirt, but Jamal thought the color of the shirt just looked different because sunlight is different from store lighting. They decided to do an investigation to see who was right.



Investigation of the New Shirt

Ahmad and Jamal got a lamp and four colored lightbulbs – a white bulb, a red bulb, a yellow bulb, and a green bulb. They took the new shirt they had just bought and looked at it under the different lightbulbs. The pictures below show what they saw.

The New Shirt Seen Under Different Colored Lightbulbs



A. Describe the results of Ahmad’s and Jamal’s investigation of the new shirt.

Light and Color (Continued)

S01_01

B. Were Ahmad and Jamal given the wrong shirt at the store?

(Check one box.)

Yes

No

Explain your answer using the results of their investigation.

C. What color was the lightbulb in the store?

Answer: _____

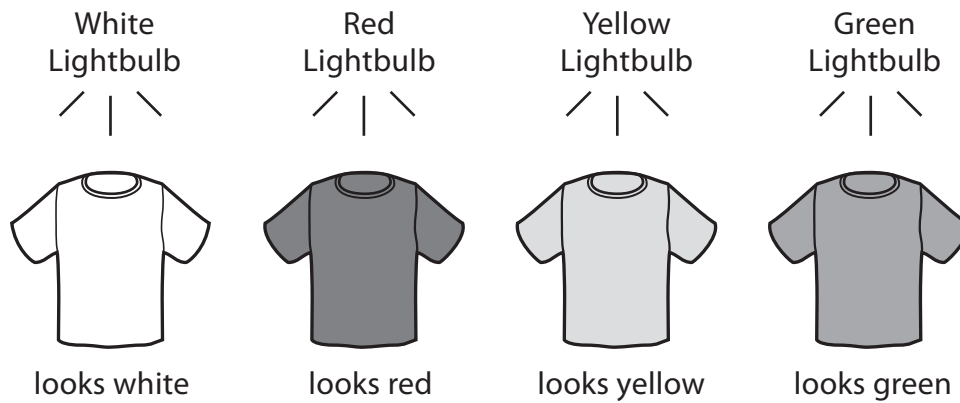
S031446_2

Questions for Light and Color continue. 

Investigation of a White Shirt

Ahmad and Jamal wondered how shirts of other colors would look under different lights. They took a white shirt and looked at it under each lightbulb. The pictures below show what they saw.

The White Shirt Seen Under Different Colored Lightbulbs



A. Describe the results of Ahmad's and Jamal's investigation of the white shirt.

B. What color do you think the white shirt would look under a blue lightbulb?

Answer: _____

Light and Color (Continued)

S01_03

Ahmad and Jamal then took another shirt. It looked blue under the white lightbulb.



White
Lightbulb



Blue
Lightbulb



looks blue

?

What color do you think the shirt would look under a blue lightbulb?

Answer: _____

Explain your answer using the results of Ahmad's and Jamal's investigations.

S031447

End of Light and Color section. ●

Which of these animals has teeth that are most like the teeth of humans?

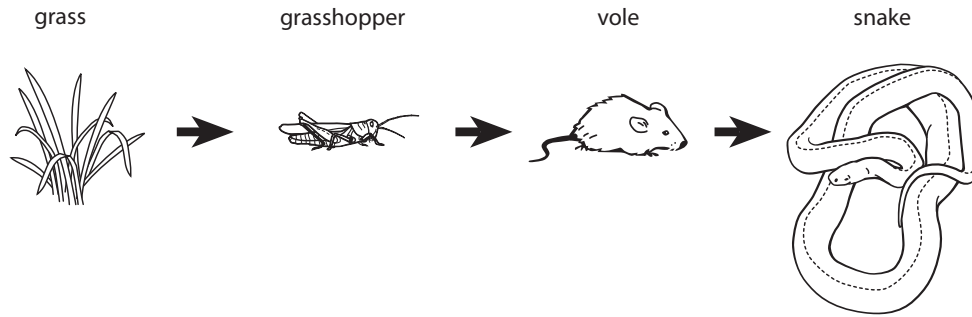
- Ⓐ deer
- Ⓑ lion
- Ⓒ monkey
- Ⓓ dog

S031193

Some people have straight hair and some have curly hair. What decides whether a person will be born with curly hair or straight hair?

- Ⓐ the type of hair their parents have
- Ⓑ the type of hair their brothers and sisters have
- Ⓒ their hair color
- Ⓓ their skin color

S031264



Which statement about the food chain shown above is correct?

- (A) Voles eat grasshoppers and grass.
- (B) Grasshoppers eat grass and voles.
- (C) Snakes eat voles.
- (D) Snakes eat grass.

S031347

Kamal tells his friend Saphia that he can get all the nutrients he needs to stay healthy from fruit. Saphia thinks that Kamal will need to eat other types of food as well.

Who is correct?

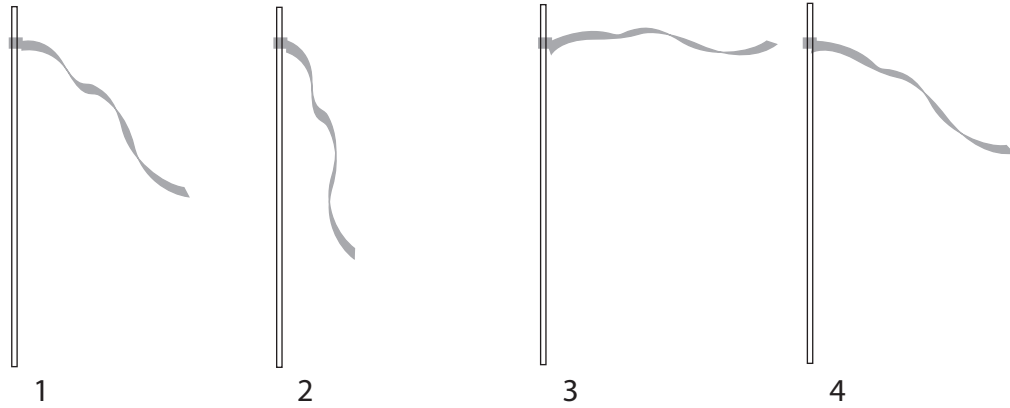
(Check one box.)

- Kamal
- Saphia

Explain your answer.

S031346

A ribbon is tied to a pole to measure the wind strength as shown below.



Write the numbers 1, 2, 3, and 4 in the correct order that shows the wind strength from the **strongest** to **weakest**.

Answer : _____, _____, _____, _____