Name: _____ Date: _____

Why a Dark Shirt Feels Warmer in the Sun

Circle group

The sun sends light. The light brings warmth. When sunshine lands on your clothes, they get warm.

But not all colors get warm the same. A black shirt soaks up a lot of sunshine. It gets hot. A white shirt bounces much of the sunshine back. It stays cooler.

Try it. Lay a black paper and a white paper in the sun. Wait. Touch each one. The black paper is warmer.

On hot days, many people wear light colors. They stay cool.

Questions

1. What does sunshine bring?

_____

_____

2. What does a black shirt do with sunshine?

_____

_____

3. What does a white shirt do with sunshine?

_____

_____

4. What two papers do you use in the test?

_____

_____

5. Why do many people wear light colors on hot days?

_____

_____

Words to know

warmth: a gentle feeling of being not cold
soaks: takes in and holds on to
bounces: springs back off something

sunshine: the light and warmth that come from the sun

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

Name: _____ Date: _____

Why a Dark Shirt Feels Warmer in the Sun

Triangle group

The sun sends out light, and the light brings warmth with it. When sunshine lands on your clothes, the clothes get warm.

But not all colors get warm the same way. A black shirt soaks up a lot of the sunshine. It gets hot. A white shirt bounces back much of the sunshine. It stays cooler.

You can test this. Lay a black paper and a white paper in the sun. Wait a little while. Then touch each one with your hand. The black paper feels warmer.

That is why many people wear light colors on hot, sunny days. Light colors help them stay cool.

Questions

1. What does sunshine bring with it?

_____

_____

2. What does a black shirt do with the sunshine?

_____

_____

3. What does a white shirt do with the sunshine?

_____

_____

4. What do you need for the paper test?

_____

_____

5. Why do many people wear light colors on hot days?

_____

_____

Words to know

warmth: a gentle feeling of being not cold
soaks: takes in and holds on to
bounces: springs back off something
sunshine: the light and warmth that come from the sun

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

Name: _____ Date: _____

Why a Dark Shirt Feels Warmer in the Sun

Square group

The sun sends out light, and that light carries warmth along with it. When sunshine lands on your clothes, the clothes slowly warm up.

However, not every color heats up in the same way. A black shirt soaks up a great deal of the sunshine, so it becomes hot. A white shirt bounces back much of the sunshine, so it stays cooler.

You can test this idea yourself. Lay a sheet of black paper and a sheet of white paper in the sun, and wait for a little while. Then touch each one with your hand, and you will find that the black paper feels warmer.

That is why many people choose light colors on hot, sunny days. Light colors help them stay cool.

Questions

1. What does the light from the sun carry along with it?

_____

_____

2. What does a black shirt do with the sunshine?

_____

_____

3. What does a white shirt do with the sunshine?

_____

_____

4. What do you lay in the sun for the test?

_____

_____

5. Why do many people choose light colors on hot, sunny days?

_____

_____

Words to know

warmth: a gentle feeling of being not cold
soaks: takes in and holds on to
bounces: springs back off something
sunshine: the light and warmth that come from the sun

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

For the teacher: Why a Dark Shirt Feels Warmer in the Sun

Each student sheet carries a shape, not a level. The same topic and facts, written three ways.

Circle: Why a Dark Shirt Feels Warmer in the Sun

Easier · 82 words · Flesch-Kincaid grade 0.4

1. Warmth.
2. It soaks up a lot and gets hot.
3. It bounces much of it back and stays cooler.
4. A black paper and a white paper.
5. Light colors stay cooler.

Triangle: Why a Dark Shirt Feels Warmer in the Sun

This passage · 105 words · Flesch-Kincaid grade 1.2

1. Warmth.
2. It soaks up a lot of it and gets hot.
3. It bounces much of it back and stays cooler.
4. A black paper and a white paper, in the sun.
5. Light colors stay cooler, so they help people stay cool.

Square: Why a Dark Shirt Feels Warmer in the Sun

Harder · 124 words · Flesch-Kincaid grade 3.7

1. Warmth.
2. It soaks up a great deal of it and becomes hot.
3. It bounces much of it back and stays cooler.
4. A sheet of black paper and a sheet of white paper.
5. Light colors stay cooler, so they help people stay cool.