Name: _____ Date: _____

The Black Dot That Changes Size

Circle group

Look at your friend's eye. In the middle is a black dot. It is the pupil. It is not paint. It is a hole. It lets light in. The colored ring around it is the iris.

The pupil can change size. In a bright place, it gets small. It keeps out extra light. In a dim place, it gets big. It lets in more light. Then you can see.

You cannot feel it. It is fast. Stand in a dim room. Look in a mirror. Ask a grown-up to turn on the light. Your pupils get small!

Never look at the sun.

Questions

1. What is the pupil?

_____

_____

2. What is the colored ring called?

_____

_____

3. What does the pupil do in a bright place?

_____

_____

4. Why does the pupil get big in a dim place?

_____

_____

5. Why do your eyes feel dazzled when you go from a dim room to the sun?

_____

_____

Words to know

pupil: the black opening in the middle of the eye
iris: the colored ring around the pupil
dim: not very bright

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: _____

The Black Dot That Changes Size

Triangle group

Look closely at a friend's eye. In the middle is a black dot. It is called the pupil. It is not a spot of paint. It is a small opening that lets light into the eye. The colored ring around it is called the iris.

The pupil changes size. In a bright place, it gets small. This keeps out extra light. In a dim place, it grows big. This lets in more light, so you can see better.

You cannot feel it happen. It takes only a moment. Stand in a dim room and look in a mirror. Then ask a grown-up to turn on the light. Watch your pupils shrink!

Never look straight at the sun. Even small pupils cannot keep out that much light.

Questions

1. What is the pupil?

_____

_____

2. What is the colored ring around the pupil called?

_____

_____

3. What does the pupil do in a bright place?

_____

_____

4. Why does the pupil grow big in a dim place?

_____

_____

5. Why do your eyes feel dazzled when you walk from a dim room into the sun?

_____

_____

Words to know

pupil: the black opening in the middle of the eye
iris: the colored ring around the pupil
dim: not very bright
opening: a hole that things can pass through
shrink: get smaller

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: _____

The Black Dot That Changes Size

Square group

Look closely at a friend's eye, and you will notice a black dot in the middle. This dot is called the pupil. It is not a spot of paint but a small opening that allows light to enter the eye. The colored ring that surrounds it is called the iris.

The pupil constantly changes size. In a bright place, it becomes small, which keeps out the extra light. In a dim place, it grows large, which lets in more light so that you can see more clearly.

You cannot feel this change, because it happens in just a moment. Stand in a dim room and look at yourself in a mirror. Then ask a grown-up to switch on the light, and watch your pupils shrink right away!

Never look straight at the sun. Even small pupils cannot keep out that much light.

Questions

1. What is the pupil?

_____

_____

2. What is the colored ring around the pupil called?

_____

_____

3. What does the pupil do in a bright place?

_____

_____

4. Why does the pupil grow large in a dim place?

_____

_____

5. Why might your eyes feel dazzled when you walk from a dim room into the sun?

_____

_____

Words to know

pupil: the black opening in the middle of the eye
iris: the colored ring around the pupil
dim: not very bright
opening: a hole that things can pass through
shrink: get smaller

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: The Black Dot That Changes Size

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

Circle: The Black Dot That Changes Size

Easier · 103 words · Flesch-Kincaid grade -0.4

1. The black dot in the middle of the eye that lets light in.
2. The iris.
3. It gets small to keep out extra light.
4. It lets in more light so you can see.
5. Your pupils are still big, so too much light comes in.

Triangle: The Black Dot That Changes Size

This passage · 127 words · Flesch-Kincaid grade 1.2

1. The black dot in the middle of the eye that lets light in.
2. The iris.
3. It gets small to keep out extra light.
4. It lets in more light so you can see better.
5. Your pupils are still big, so too much light comes in at first.

Square: The Black Dot That Changes Size

Harder · 143 words · Flesch-Kincaid grade 3.4

1. The black dot in the middle of the eye that lets light in.
2. The iris.
3. It becomes small to keep out the extra light.
4. It lets in more light so you can see more clearly.
5. Your pupils are still large, so too much light comes in at first.