Name: _____ Date: _____

Why a Straw Brings Up Your Juice

Circle group

A straw is in a cup of juice. The juice does not climb up by itself. You must sip.

When you sip, you pull air out of the straw. But air is all around the cup. The air pushes down on the juice. The push sends the juice up the straw. It goes into your mouth.

A straw must have no holes. If it has a hole, air gets in. Then it is hard to get a drink.

Questions

1. What do you do to bring up the juice?

_____

_____

2. What do you pull out of the straw?

_____

_____

3. What pushes down on the juice?

_____

_____

4. Where does the juice go?

_____

_____

5. Why is it hard to drink with a hole in the straw?

_____

_____

Words to know

straw: a thin tube that you drink through

sip: to drink a little at a time

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 Straw Brings Up Your Juice

Triangle group

Put a straw in a cup of juice. The juice does not climb up by itself. You have to sip.

When you sip, you pull the air out of the straw. Now the straw has less air in it. But there is still air all around the cup. That air pushes down on the top of the juice. The push sends the juice up the straw and into your mouth.

A straw needs to be a whole tube. If it has a big hole near the top, air sneaks in. Then it is hard to get a drink. A good straw has no holes.

Questions

1. What do you have to do to bring up the juice?

_____

_____

2. What do you pull out of the straw when you sip?

_____

_____

3. What pushes down on the juice in the cup?

_____

_____

4. Where does the juice go when it is pushed?

_____

_____

5. Why is it hard to drink through a straw with a hole in it?

_____

_____

Words to know

straw: a thin tube that you drink through
sip: to drink a little at a time
tube: a long, hollow shape like a pipe
sneak: to go somewhere in a quiet, hidden way

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 Straw Brings Up Your Juice

Square group

Imagine a straw standing in a cup of juice. The juice does not climb up the straw by itself, so you have to sip.

When you sip, you draw the air out of the straw, which leaves less air inside it. However, there is still plenty of air all around the cup, and that air presses down on the top of the juice. This push sends the juice up the straw and straight into your mouth.

A straw has to be a complete tube for this to work. If it has a big hole near the top, air sneaks in through the hole, and it becomes hard to get a drink. A good straw has no holes at all.

Questions

1. What must you do to bring the juice up the straw?

_____

_____

2. What do you draw out of the straw when you sip?

_____

_____

3. What presses down on the top of the juice?

_____

_____

4. Where does the pushed juice end up?

_____

_____

5. Why is it hard to drink through a straw with a big hole near the top?

_____

_____

Words to know

straw: a thin tube that you drink through
sip: to drink a little at a time
tube: a long, hollow shape like a pipe

sneak: to go somewhere in a quiet, hidden way

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 Straw Brings Up Your Juice

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

Circle: Why a Straw Brings Up Your Juice

Easier · 78 words · Flesch-Kincaid grade -0.1

1. Sip.
2. Air.
3. The air around the cup.
4. Up the straw and into your mouth.
5. Air gets in through the hole, so the juice does not rise well.

Triangle: Why a Straw Brings Up Your Juice

This passage · 104 words · Flesch-Kincaid grade 0.4

1. Sip.
2. Air.
3. The air all around the cup.
4. Up the straw and into your mouth.
5. Air sneaks in through the hole, so the juice does not rise well.

Square: Why a Straw Brings Up Your Juice

Harder · 119 words · Flesch-Kincaid grade 3.6

1. Sip.
2. Air.
3. The air all around the cup.
4. It goes up the straw and into your mouth.
5. Air sneaks in through the hole, so the juice does not rise well.