Name: _____ Date: _____

Where Did the Sugar Go in the Tea?

Circle group

Dan puts sugar in warm tea. He stirs. The white grains get small. Then they are gone! Where did the sugar go?

The sugar did not vanish. It broke into tiny pieces. You cannot see them. They mix in with the water. We say the sugar dissolved.

How do you know the sugar is there? Take a sip. The tea is sweet!

Not all things dissolve. Stir sand into water. The sand falls to the bottom. You can still see it.

Sugar dissolves faster in warm water.

Questions

1. What does Dan do with the sugar?

_____

_____

2. Why can you not see the sugar?

_____

_____

3. What word means the sugar mixed in the water?

_____

_____

4. What happens to sand in water?

_____

_____

5. How can you tell the sugar is still in the tea?

_____

_____

Words to know

dissolved: mixed into a liquid so you cannot see it
grains: tiny bits, like bits of sugar or sand
vanish: to disappear completely

sip: a small taste of a drink

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: _____

Where Did the Sugar Go in the Tea?

Triangle group

Dan drops a spoon of sugar into a cup of warm tea. He stirs. The white grains get smaller and smaller. Then they are gone! Where did the sugar go?

The sugar did not vanish. It broke into pieces so tiny that you cannot see them. The tiny pieces spread out through the tea and mix in with the water. We say the sugar dissolved.

How do you know the sugar is still there? Take a sip. The tea tastes sweet! The sugar is still in the cup.

Not everything dissolves. Stir sand into water, and the sand falls to the bottom again. You can still see every grain.

Sugar dissolves faster in warm water than in cold water.

Questions

1. What does Dan do with the sugar?

_____

_____

2. Why can you not see the sugar after you stir?

_____

_____

3. What word means the sugar mixed into the water?

_____

_____

4. What happens when you stir sand into water?

_____

_____

5. How can you tell the sugar is still in the tea?

_____

_____

Words to know

dissolved: mixed into a liquid so you cannot see it
grains: tiny bits, like bits of sugar or sand
vanish: to disappear completely
sip: a small taste of a drink

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: _____

Where Did the Sugar Go in the Tea?

Square group

Dan drops a spoonful of sugar into a cup of warm tea and begins to stir. The white grains grow smaller and smaller, and then they are gone! Where did the sugar go?

The sugar did not vanish. It broke apart into pieces so tiny that no one can see them. Those tiny pieces spread throughout the tea and mingle with the water. Scientists say that the sugar has dissolved.

How can you be sure the sugar is still there? Take a sip. The tea tastes sweet, so the sugar must still be in the cup.

Not everything dissolves, however. If you stir sand into water, the sand sinks to the bottom again, and you can still see every grain.

Sugar also dissolves faster in warm water than in cold water.

Questions

1. What does Dan do with the sugar?

_____

_____

2. Why can you not see the sugar after it is stirred?

_____

_____

3. What do scientists say the sugar has done?

_____

_____

4. What happens when you stir sand into water?

_____

_____

5. How can you be sure the sugar is still in the tea?

_____

_____

Words to know

dissolved: mixed into a liquid so you cannot see it
grains: tiny bits, like bits of sugar or sand
vanish: to disappear completely
sip: a small taste of a drink

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: Where Did the Sugar Go in the Tea?

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

Circle: Where Did the Sugar Go in the Tea?

Easier · 87 words · Flesch-Kincaid grade 0.8

1. He puts it in warm tea and stirs.
2. It broke into pieces too tiny to see.
3. Dissolved.
4. It falls to the bottom.
5. The tea tastes sweet.

Triangle: Where Did the Sugar Go in the Tea?

This passage · 119 words · Flesch-Kincaid grade 2.2

1. He drops it in warm tea and stirs.
2. It broke into pieces too tiny to see.
3. Dissolved.
4. The sand falls to the bottom again.
5. The tea tastes sweet.

Square: Where Did the Sugar Go in the Tea?

Harder · 131 words · Flesch-Kincaid grade 3.8

1. He drops it into warm tea and stirs.
2. It broke apart into pieces too tiny to see.
3. It has dissolved.
4. The sand sinks to the bottom again.
5. The tea tastes sweet.