Name: _____ Date: _____

Your Breath Makes a Cloud in Winter

Circle group

On a cold day, you can see your breath. It looks like a little cloud.

Your breath has water in it. The water is a gas. You cannot see a gas. In your body, it is warm.

You breathe out. The warm gas meets cold air. The cold air cools it. The gas turns into tiny drops of water. Now you can see them!

On a warm day, there is no cloud. The air is not cold.

Questions

1. What can you see on a cold day?

_____

_____

2. What is in your breath?

_____

_____

3. Can you see a gas?

_____

_____

4. What does the cold air do to the warm gas?

_____

_____

5. Why is there no cloud on a warm day?

_____

_____

Words to know

breath: the air that goes in and out of your body
gas: something like air that you cannot see
drops: tiny round bits of water
cools: makes something less warm

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: _____

Your Breath Makes a Cloud in Winter

Triangle group

On a cold winter day, you can see your breath. It looks like a little cloud. Why?

Your breath has water in it. The water is a gas, so you cannot see it. Inside your body, it is warm.

When you breathe out, the warm gas meets cold air. The cold air cools it down. The gas turns into tiny drops of water. Now you can see the drops. They look like a cloud!

On a warm day, the air is not cold. The gas stays a gas. So there is no cloud. The tiny drops soon float away.

Questions

1. What can you see on a cold winter day?

_____

_____

2. What is in your breath?

_____

_____

3. Why can you not see the water inside your body?

_____

_____

4. What does the cold air do to the warm gas?

_____

_____

5. Why is there no breath cloud on a warm day?

_____

_____

Words to know

breath: the air that goes in and out of your body
gas: something like air that you cannot see
drops: tiny round bits of water

cools: makes something less warm

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: _____

Your Breath Makes a Cloud in Winter

Square group

On a cold winter morning, you can often see your breath. It looks like a small cloud that drifts away from your mouth. Why does this happen?

Your breath carries water in the form of a gas, which is invisible. Inside your body, the gas is warm.

When you breathe out, the warm gas meets the cold air outside. The cold air cools the gas quickly, and it turns into tiny drops of water. Those drops are easy to see, and together they look like a cloud.

On a warm day, the air is not cold enough to change the gas, so it stays invisible. The tiny drops that do form soon float away.

Questions

1. What can you often see on a cold winter morning?

_____

_____

2. What does your breath carry, and what form is it in?

_____

_____

3. Why can you not see the water inside your body?

_____

_____

4. What does the cold air do to the warm gas when you breathe out?

_____

_____

5. Why does your breath not make a cloud on a warm day?

_____

_____

Words to know

breath: the air that goes in and out of your body
gas: something like air that you cannot see
drops: tiny round bits of water
cools: makes something less warm

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: Your Breath Makes a Cloud in Winter

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

Circle: Your Breath Makes a Cloud in Winter

Easier · 77 words · Flesch-Kincaid grade -0.2

1. Your breath, like a little cloud.
2. Water, which is a gas.
3. No, you cannot see a gas.
4. It cools the gas into tiny drops.
5. The air is not cold.

Triangle: Your Breath Makes a Cloud in Winter

This passage · 99 words · Flesch-Kincaid grade 0.2

1. Your breath, like a little cloud.
2. Water, which is a gas.
3. It is a gas.
4. It cools the gas into tiny drops of water.
5. The air is not cold, so the gas stays a gas.

Square: Your Breath Makes a Cloud in Winter

Harder · 114 words · Flesch-Kincaid grade 3.4

1. Your breath, like a small cloud.
2. Water in the form of a gas.
3. It is an invisible gas.
4. It cools the gas and turns it into tiny drops of water.
5. The air is not cold enough to change the gas, so it stays invisible.