Name: _____ Date: _____

Why the Wind Turbine Fixer Waits for Calm Days

Circle group

A wind turbine is a tall tower with three long blades. Wind turns the blades. Then the turbine makes electricity. A technician keeps each turbine working.

Why do some jobs wait for calm days? The technician must go up inside the tower. Gusty wind makes the work hard and not safe. So she checks the weather first.

On a calm day, she gets ready. She wears a hard hat and a harness. A harness is a set of straps that holds a worker safe. She rides a lift or climbs a ladder in the tower.

At the top, she checks the parts. She tightens bolts. She puts grease on moving pieces so they turn well. She looks at the blades for cracks.

Then she goes down. The turbine spins again. It makes power for homes.

Questions

1. What does a wind turbine make?

_____

_____

2. Why does the technician check the weather first?

_____

_____

3. What is a harness?

_____

_____

4. Why does she put grease on moving pieces?

_____

_____

5. Why does the technician wear a hard hat and a harness?

_____

_____

6. Why might a turbine be stopped during repairs?

_____

_____

Words to know

turbine: a machine with blades that spin to make power
technician: a worker who is trained to fix and check machines
gusty: blowing in strong, sudden bursts
harness: straps that hold a worker safely in place

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 the Wind Turbine Fixer Waits for Calm Days

Triangle group

A wind turbine is a tall tower with three long blades. When the wind turns the blades, the turbine makes electricity. A technician keeps each turbine working.

Why do some jobs wait for calm days? Because the technician must go up inside the tower. Gusty wind makes the work harder and less safe. So she checks the weather first.

On a calm day, she gets ready. She wears a hard hat and a harness. A harness is a set of straps that holds a worker safely. She rides a lift or climbs a ladder inside the tower.

At the top, she checks the parts. She tightens bolts. She adds grease to moving pieces so they turn smoothly. She also looks at the blades to see if anything is cracked.

When she is done, she goes down and the turbine spins again. Careful checks help it make power for homes.

Questions

1. What does a wind turbine make?

_____

_____

2. Why does the technician check the weather first?

_____

_____

3. What is a harness?

_____

_____

4. Why does she add grease to moving pieces?

_____

_____

5. Why does the technician wear a hard hat and a harness?

_____

_____

6. Why might a turbine be stopped during repairs?

_____

_____

Words to know

turbine: a machine with blades that spin to make power
technician: a worker who is trained to fix and check machines
gusty: blowing in strong, sudden bursts
harness: straps that hold a worker safely in place

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 the Wind Turbine Fixer Waits for Calm Days

Square group

A wind turbine is a towering structure with three long blades. When the wind turns the blades, the turbine generates electricity, and a technician is responsible for keeping each turbine in working order.

Why do some repair jobs have to wait for calm days? The technician must climb up inside the tower, and gusty wind makes the work more difficult and less safe. For that reason, she checks the weather forecast first.

On a calm day, she prepares carefully. She wears a hard hat and a harness, which is a set of straps that holds a worker securely in place. She rides a lift or climbs a ladder inside the tower.

At the top, she inspects the parts. She tightens bolts and adds grease to the moving pieces so that they turn smoothly. She also examines the blades to see whether anything is cracked.

When her work is finished, she descends and the turbine begins to spin again. Careful checks like these help it keep producing power for homes.

Questions

1. What does a wind turbine generate?

_____

_____

2. Why does the technician check the weather forecast first?

_____

_____

3. What is a harness?

_____

_____

4. Why does she add grease to the moving pieces?

_____

_____

5. Why does the technician wear a hard hat and a harness?

_____

_____

6. Why might a turbine be stopped during repairs?

_____

_____

Words to know

turbine: a machine with blades that spin to make power
technician: a worker who is trained to fix and check machines
gusty: blowing in strong, sudden bursts
harness: straps that hold a worker safely in place

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 the Wind Turbine Fixer Waits for Calm Days

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

Circle: Why the Wind Turbine Fixer Waits for Calm Days

Easier · 135 words · Flesch-Kincaid grade 1.7

1. Electricity.
2. Gusty wind makes the work hard and not safe.
3. A set of straps that holds a worker safe.
4. So they turn well.
5. To stay safe high up.
6. The blades must not turn while a worker is in the tower.

Triangle: Why the Wind Turbine Fixer Waits for Calm Days

This passage · 149 words · Flesch-Kincaid grade 3

1. Electricity.
2. Gusty wind makes the work harder and less safe.
3. A set of straps that holds a worker safely.
4. So they turn smoothly.
5. To stay safe while working high up.
6. The blades must not turn while a worker is inside the tower.

Square: Why the Wind Turbine Fixer Waits for Calm Days

Harder · 169 words · Flesch-Kincaid grade 6

1. Electricity.
2. Gusty wind makes the work more difficult and less safe.
3. A set of straps that holds a worker securely in place.
4. So that they turn smoothly.
5. To stay safe while working high up.
6. The blades should not turn while a worker is inside the tower.