

# Powering Up Wyoming's Economy

## CLOZE Activity

As we play the Kahoot game, fill in the correct answers for each fact.

### Coal

Wyoming ranks \_\_\_\_\_ in the nation for coal production.

The amount of coal available in the U.S. could provide energy for over \_\_\_\_ years.

Coal contributes over 1 billion dollars in taxes to Wyoming each year. This money is used to: \_\_\_\_\_.

\_\_\_\_\_ pound of coal supplies enough electricity to light ten 100-watt light bulbs for one hour.

The average \_\_\_\_\_ uses the equivalent of 20 lbs. of coal each day.

In 2016, \_\_\_\_\_ people were employed by Wyoming coal mines.

### Oil

Nationally, Wyoming ranked \_\_\_\_\_ in production of crude oil in 2015.

Petroleum pipelines are located in all of the state's \_\_\_\_\_ counties.

In 2015, oil and gas production contributed \_\_\_\_\_ billion dollars to state and local governments.

In 2015, over \_\_\_\_\_ people were employed by the oil and gas industry.

### Natural Gas

Wyoming ranked \_\_\_\_\_ in the nation in the production of natural gas in 2015.

Natural gas has many different uses. The most common are \_\_\_\_\_.

Sublette and Campbell counties have experienced \_\_\_\_\_ growth due to oil, gas, and coal extraction.



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### Wind

Generating wind power creates no \_\_\_\_\_ and uses virtually no \_\_\_\_\_.

One \_\_\_\_\_ turbine doesn't make much electricity.

Most wind farms have many wind turbines. That land can still be used to \_\_\_\_\_.

### Hydro

Hydropower is the world's largest contributor of all \_\_\_\_\_ resources.

Wyoming has \_\_\_\_\_ hydro-electric power plants capable of producing over 280 megawatts.

Reservoirs created by hydro plants can be used for \_\_\_\_\_.

### Uranium

Wyoming has the \_\_\_\_\_ uranium reserves in the country.

About one pound of uranium can produce the same amount of energy as \_\_\_\_\_ pounds of coal.

Uranium is a \_\_\_\_\_ found in rocks in the \_\_\_\_\_.



# Powering Up Wyoming's Economy Quiz (Teacher Copy)

**Teacher Directions:** The question number noted on the teacher copy corresponds to the question number of the Kahoot game. Teacher will need to stop and discuss each question/statement, so students can successfully complete the cloze activity.

## Coal

**Question 1** - Wyoming ranks 1<sup>st</sup> in the nation for coal production.

**Question 2** - The amount of coal available in the U.S. could provide energy for over 250 years.

**Question 3** - Coal contributes over 1 billion dollars in taxes to Wyoming each year. This money is used to: fund the state government, pay teachers, and build new schools.

**Question 4** - One pound of coal supplies enough electricity to light ten 100-watt light bulbs for one hour.

**Question 5** - The average person uses the equivalent of 20 lbs. of coal each day.

**Question 6** - In 2016, 5,682 people were employed by Wyoming coal mines.

## Oil

**Question 7** - Nationally, Wyoming ranked 8<sup>th</sup> in production of crude oil in 2015.

**Question 8** - Petroleum pipelines are located in all of the state's 23 counties.

**Question 9** - In 2015, oil and gas production contributed 2.1 billion dollars to state and local governments.

**Question 10** - In 2015, over 20,402 people were employed by the oil and gas industry.

## **Natural Gas**

**Question 11** - Wyoming ranked **5th** in the nation in the production of natural gas in 2015.

**Question 12** - Natural gas has many different uses. The most common are **heating**, **manufacturing**, and **electricity**.

**Question 13** - Sublette and Campbell counties have experienced **rapid** growth due to oil, gas, and coal extraction.

## **Wind**

**Question 14** - Generating wind power creates no **emissions** and uses virtually no **water**.

**Question 15** - One **wind** turbine doesn't make much electricity.

**Question 16** - Most wind farms have many wind turbines. That land can still be used to **farm** or **graze animals**.

## **Hydro**

**Question 17** - Hydropower is the world's largest contributor of all **renewable** resources.

**Question 18** - Wyoming has **11** hydro-electric power plants capable of producing over 280 megawatts.

**Question 19** - Reservoirs created by hydro plants can be used for **swimming**, **fishing**, **boating**, and **other sports**.

## **Uranium**

**Question 20** - Wyoming has the **largest** uranium reserves in the country.

**Question 21** - About one pound of uranium can produce the same amount of energy as **20,000** pounds of coal.

**Question 22** - Uranium is a **mineral** found in rocks in the **ground**.

# Panel Discussion

**Role:** \_\_\_\_\_

What are some of the benefits of this energy resource?

What are some challenges of this energy resource?

Which energy resource has the biggest impact on your life? Why?

Which energy resource could you live without? Why?

How would your life change if the most important resource was no longer available?

How would your life change if the price of that resource doubled?

How would you steward natural resources to benefit all Wyoming's citizens?





# Roles

**FARMER**

**STUDENT**

**TEACHER**

**BUSINESS  
PERSON**

**MINER**



