



# EXPLORE THE ENERGY INDUSTRY

There's a lot of opportunity in the energy industry in North Dakota. Get the facts—and discover the education programs that can make your future bright! Use this worksheet to help you explore the new Energy Careers in North Dakota module in RUPreedy.ND.gov!

- 1. How many homes in North Dakota can be considered powered by wind? \_\_\_\_\_
  
- 2. What are the four sectors in North Dakota's Energy Industry?
  - 1. \_\_\_\_\_
  - 2. \_\_\_\_\_
  - 3. \_\_\_\_\_
  - 4. \_\_\_\_\_
  
- 3. What is the name of the largest continuous oil deposit in the U.S.? \_\_\_\_\_
  
- 4. How long might a well be in operation for oil and natural gas? \_\_\_\_\_
  
- 5. What types of engineers do refineries in North Dakota employ to oversee the process of refining? \_\_\_\_\_
  
- 6. What type of coal can be found in North Dakota's deposit? \_\_\_\_\_
  
- 7. Which counties in North Dakota have the highest average wages? \_\_\_\_\_
  
- 8. What process makes coal burn more efficiently and cleanly? \_\_\_\_\_
  
- 9. What are three types of potential energy sources in North Dakota? \_\_\_\_\_
  
- 10. Where are solar panels most frequently used? \_\_\_\_\_
  
- 11. What are geologists learning exists beneath the earth in western North Dakota? \_\_\_\_\_
  
- 12. What is biodiesel? \_\_\_\_\_
  
- 13. What are research teams exploring at NDSU and the US Dept. of Agriculture? \_\_\_\_\_
  
- 14. What are two "waste" byproducts of oil and natural gas drilling and transportation? \_\_\_\_\_
  
- 15. How many bushels of corn have been used to make ethanol in North Dakota plants? \_\_\_\_\_



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## Answer Sheet

There's a lot of opportunity in the energy industry in North Dakota. Get the facts—and discover the education programs that can make your future bright! Use this worksheet to help you explore the new Energy Careers in North Dakota module in RUReady.ND.gov!

1. How many homes in North Dakota can be considered powered by wind? **More than 500,000**
2. What are the four sectors in North Dakota's Energy Industry?
  1. **Petroleum and Natural Gas**
  2. **Coal**
  3. **Hydropower, Solar, and Wind Energy**
  4. **Biofuels, Geothermal, Recovered Energy**
3. What is the name of the largest continuous oil deposit in the U.S.? **Bakken Formation**
4. How long might a well be in operation for oil and natural gas? **Over 40 years**
5. What types of engineers do refineries in North Dakota employ to oversee the process of refining? **Chemical and Petroleum**
6. What type of coal can be found in North Dakota's deposit? **Lignite**
7. Which counties in North Dakota have the highest average wages? **Oliver and Mercer**
8. What process makes coal burn more efficiently and cleanly? **DryFining**
9. What are three types of potential energy sources in North Dakota? **Solar, wind, and hydropower**
10. Where are solar panels most frequently used? **In areas where it is too expensive to install electricity lines**
11. What are geologists learning exists in western North Dakota? **There's a lot of potential for geothermal energy**
12. What is biodiesel? **A renewable fuel made from new and used vegetable oils, animal fat, and recycled restaurant greast**
13. What are research teams exploring at NDSU and the US Dept. of Agriculture? **Ways to use sugar beets to produce biofuels**
14. What are two "waste" byproducts of oil and natural gas drilling and transportation? **Hot air and hot water**
15. How many bushels of corn have been used to make ethanol in North Dakota plants? **156 million bushels**