

DATE:

NAME:

CLASS:

TOPIC 3.2

Energy Transformation in Fuels

BLM 3.2-5

Answer the questions that follow.

1. What form of energy is stored in fossil fuels?

2. How was this energy transformed long ago?

3. Identify three types of fossil fuels.

4. What greenhouse gas is released when humans transform the chemical potential energy in fossil fuels?

5. What does the greenhouse gas released by humans in question 4 contribute to?

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6. What process transforms energy in both fossil fuels and fuel cells?

7. Do fossil fuels or fuel cells produce less pollution in the process in question 6?

8. Chemical potential energy is transformed into what form of energy in a fuel cell?

9. Write the chemical reaction that occurs in a completely efficient fuel cell.

