**Oil and Natural Gas in Arkansas**

**Lesson 1: How They Form**

**Student Handout 2**

**Activity 2 – Fossil Fuels**

**Instructions:**

Use the following websites to answer the questions below. These web sites may change over time. If a web site is no longer available, use the key words and phrases below to find more current resources. Some suggestions are:

* Fossils
* Fossils of Arkansas
* Fossil fuels
* Fossil records
* Energy sources—renewable and non-renewable
* Energy choices

Getting Into the Fossil Record—University of California Museum of Paleontology

<http://www.ucmp.berkeley.edu/education/explorations/tours/fossil/5to8/Intro.html>

U.S. Energy Information Administration—Nonrenewable Energy Explained

<http://www.eia.gov/energyexplained/index.cfm?page=nonrenewable_home>

American Petroleum Institute—Oil and Natural Gas Overview—Energy Source, Energy Choices

<http://www.api.org/oil-and-natural-gas-overview/classroom-tools/classroom-curricula/energy-source-choices>

Fossils of Arkansas

<https://www.geology.arkansas.gov/docs/pdf/education/Fossil_Poster.pdf>

<https://www.geology.arkansas.gov/geology/fossils.html>Define fossil.

1. Define fossil

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1. Describe how fossils form.

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1. What is a fuel?

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1. List the three forms of fossil fuels.

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1. Why are they described as “nonrenewable”?

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1. What are some of the issues related to fossil fuel use?

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1. Are there other types of fuels that are not fossil fuels? List.

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1. What is the difference between an invertebrate and a vertebrate animal?

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1. Most of the fossils in Arkansas are marine invertebrates. What does this mean?

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1. Why are fossils important?

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