

# OKLAHOMA ROCKS! A Day in the Life

Now that you've narrowed down your career choice and learned about the education and training needed to advance in your selected career field we will dive into actual work in the field and problems you may encounter. Here are some possible problems that could arise in specific geoscience career fields:

- **Petroleum Geology** - Small earthquakes have been occurring near one of your company's drill sites
- **Hydrogeologist** - A river has become polluted due to a leak at a manufacturing plant
- **Volcanology** - A volcano you have been researching begins to show signs that it will erupt soon and affect a large population

## Objectives:

1. Students will identify a problem or problems that could occur in their chosen career field.
2. Students will create a hypothesis and conduct background research about a geoscience problem.

## Student activity:

Have students do the following:

1. Ask students to consider their chosen career in geosciences and the types of problems they may have to address when working in the field. Students should choose a single question that can be answered by conducting an experiment.
2. Have students make a hypothesis based on the knowledge they have gained on their chosen career in the geoscience field.
3. Ask students to conduct research surrounding the problem they've chosen to focus on.
4. In the next lesson students will use their hypothesis and research to conduct an experiment and come up with a solution to their problem.

# TEACHERS!

The OERB provides energy-related, hands-on curricula for K-12th grade students. Many of the lessons are related to earth science and geology. Free workshops are offered throughout the state, where teachers receive a curriculum guide, an activities kit, a \$50 stipend and professional development hours for attending.

<https://oerbhomerom.com/workshops/overview>



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