**Lab Sheet**

**Careers in Oil and Natural Gas**

**Teacher Key**

This list is a small sampling of careers in the Oil and Natural Gas Industry.

|  |  |  |
| --- | --- | --- |
| Chemical Engineer | Mechanical Engineer | Petroleum Engineer |
| Geologist | Mudlogger | Oil Well Firefighter |
| Floorhand | Truck Driver | Communications Advisor |
| Bed Truck Operator | Derrickhand | Landman |
| Geophysicist | Vacuum Truck Operator | Heavy Equipment Operator |
| Steam Ticketed Operator | Millwright and Machinist | Hydrovac Operator |
| Oil Production Consultant | Rig Operator | Seismic Operator |
| Data Analyst | Accountant | Deep Sea Welder |
| Swamper | Draftsman | Civil Structural Superintendent |
| District Operations Manager | Roustabout | Jughound |

Student Instructions:

Use the websites indicated to identify the career titles and fill in the blanks that match the descriptions. Then solve the puzzle by unscrambling the letters in the boxes. Some of these web sites may change over time. If a web site is no longer available, use key words and phrases to find more current resources.

1. A \_\_\_\_ \_\_\_ \_\*\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_is the one responsible for finding oil. The expected salary is around $83,000 per year.

[www.howstuffworks.com/environmental/energy/oil-drilling2.htm](http://www.howstuffworks.com/environmental/energy/oil-drilling2.htm)

2. A \_\_\_ \_\_\_ \_\_\_ \_\*\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ is a professional who notes the conditions surrounding the construction of a well. The expected salary is around $53,000 per year.

<http://www.wisegeek.com/what-does-a-mudlogger-do.htm>

3. A \_\_\_ \_\_\_ \_\_\_ \_\_\*\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ works with mud systems, monitors weight and mixes weight properly while staying in contact with Engineers and Drillers. The expected salary is around $55,368

[www.trinidaddrilling.com/Careers/Jobdescriptions.aspx](http://www.trinidaddrilling.com/Careers/Jobdescriptions.aspx)

4. A\_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\*\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ refers to a worker who maintains all things in the [oil field](https://en.wikipedia.org/wiki/Oil_field). It is an official classification of [natural gas](https://en.wikipedia.org/wiki/Natural_gas) and [oil rig](https://en.wikipedia.org/wiki/Oil_platform) personnel. Working in oil fields they typically perform various jobs requiring little training. The expected salary is about $42,868.

<https://en.wikipedia.org/wiki/Roustabout>

5. A \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\*\_ \_\_\_ \_\_\_ is the professional who acquires the subsurface mineral rights from landowners for the purposes of oil and gas exploration. That means they make sure their company owns the minerals it will find in the ground. The salary is around $74,000 per year.

<https://www1.cfnc.org/Plan/For_A_Career/Career_Profile/Career_Profile.aspx?id=LOsdvCpqXZiW1RjLFGi2dwXAP3DPAXXAP3DPAX>

6. A\_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\*\_ \_\_\_ acts as a safety lookout for the truck driver by giving him clear hand signals to avoid potential hazards whenever driver is required to back-up. This person sometimes greases, paints, scrubs and cleans trucks and equipment as needed. The salary is around $52,000 per year.

<https://careersinoilandgas.com/careers/swamper-2/>

7. A \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\*\_ \_\_\_\_ \_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_ determines the presence and the extent of oil and gas deposits in a particular area using seismic equipment. They do so through four key phases: surveying, line clearing, seismic drilling, and data acquisition and recording.  Most seismic work occurs in remote locations. The expected salary is about $136,000

<http://careers-oil-gas.freshwatercreative.ca/careers/seismic-operator>

8. A \_\_\_ \_\_\_\_ \_\_\_ \_\_\_\_ \_\_\_\_ \_\*\_\_ \_\_\_ \_\_\_ is a seismic operator’s helper. The expected salary is about $40,079

[www.oilfieldworkers.com/seismicjobs.php](http://www.oilfieldworkers.com/seismicjobs.php)

9. A \_\_\_ \_**\***\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_\_ \_\_\_ \_\_\_ \_\_\_ evaluates potential oil and gas reservoirs, oversees drilling activities, and uses advanced computers for analysis of exploration data. The expected salary is about $110,000 per year.

<https://www.glassdoor.com/Job-Descriptions/Petroleum-Engineer.htm>

Unscramble the starred (\*) letters:

\_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_