

Тема занятия: «Что такое сварка? Работа сварщика»

Цель занятия: выучить новый лексический материал по теме «Что такое сварка? Работа сварщика»; совершенствовать навыки чтения и перевода текста профессионального направления; систематизировать знания, выполнив задания по теме занятия.

Уважаемые студенты! Ознакомьтесь с материалами практического занятия на тему «Что такое сварка? Работа сварщика». Конспект практического занятия выполняйте **в рабочей тетради письменно, обязательно указывая дату занятия, тему занятия, номер упражнения.** Ответы предоставить преподавателю на проверку **до 17. 02. 2023 г.** в электронном виде (**фотоотчёт**) на e-mail mikagol2605@mail.ru. Телефон преподавателя для консультации и возникающих вопросов: 072-14-15-816.

С уважением, Голодюк Марина Викторовна.

1. Запишите новую лексику в словарь, выучите новую лексику.
2. Прочитайте и устно переведите текст «What is welding and what do welders do?».
3. Выполните письменно задания к тексту (ответить, верны или неверны утверждения).

What is welding and what do welders do?

Vocabulary

welding – сварка

oil drilling rig – буровая установка

fabricated metals products – готовые металлические изделия

worn – изношенный

steel mill – стальная мельница

wholesale – оптовые продажи

retail establishments – предприятия розничной торговли

dealership – дилерский центр



Welding is the most economical and efficient way to join metals permanently. It is the only way of joining two or more pieces of metal to make them act as a single piece. Welding is vital to our economy. It is often said that over 50% of the gross national product of the U.S.A. is related to welding in one way or another.

Welding ranks high among industrial processes and involves more sciences than those involved in any other industrial process. There are many ways to make a weld and many different kinds of welds. Some processes cause sparks and others do not even require extra heat. Welding can be done anywhere outdoors or indoors, underwater and in outer space.

Nearly everything we use in our daily life is welded or made by equipment that is welded. Welders help build metal products from coffeepots to skyscrapers. They help build space vehicles and millions of other products ranging from **oil drilling rigs** to automobiles. In construction, welders are virtually rebuilding the world, extending subways, building bridges, and helping to improve the environment by building pollution control devices. The use of welding is practically unlimited. There is no lack of variety of the type of work that is done.

Welders are employed in many industry groups. Machinery manufacturers are responsible for agricultural, construction, and mining machinery. They are also involved in bulldozers, cranes, material handling equipment, food-processing machinery, papermaking and printing equipment, textiles, and office machinery.



The **fabricated metals products** compile another group including manufacturers of pressure vessels, heat exchangers, tanks, sheet metal, prefabricated metal buildings and architectural and ornamental work. Transportation is divided into two major groups: manufacturers of transportation equipment except motor vehicles and motor vehicles and equipment. The first includes

shipbuilding, aircraft, spacecraft, and railroads. The second includes automobiles, trucks, buses, trailers, and associated equipment.

A small group of welders belongs to the group of repair services. This includes maintenance and repair on automobiles or refers to the welding performed on industrial and electrical machinery to repair **worn** parts. The mining, oil extraction, and gas extraction industries form yet another group. A large portion of the work involves drilling and extracting oil and gas or mining of ores, stone, sand and gravel.



Welders are also employed in the primary metals industries to include **steel mills**, iron and steel foundries, smelting and refining plants. Much of this work is maintenance and repair of facilities and equipment. Another group is the electrical and electronic equipment companies. Welding done by this group runs from work on electric generators, battery chargers, to household appliances.

Public administration employs welders to perform maintenance welding that is done on utilities, bridges, government armories and bases, etc. Yet another group involves **wholesale** and **retail establishments**. These would include auto and agricultural equipment **dealerships**, metal service centers, and scrap yards.

Probably the smallest group of welders, but perhaps those with the biggest impact on the public are the artist and sculptors. The St. Louis Arch is possibly one of the best known. But there are many other fountains and sculptures in cities and neighborhoods around the world.

Запишите, верны или неверны ли утверждения. Скорректируйте неверные утверждения.

1. Welding is an important process employed by modern industry.
2. All welding processes are similar.
3. All welding processes require work pieces to be heated.
4. The smallest group of welders belongs to the group of repair services.
5. Welding is the only way to join metals.