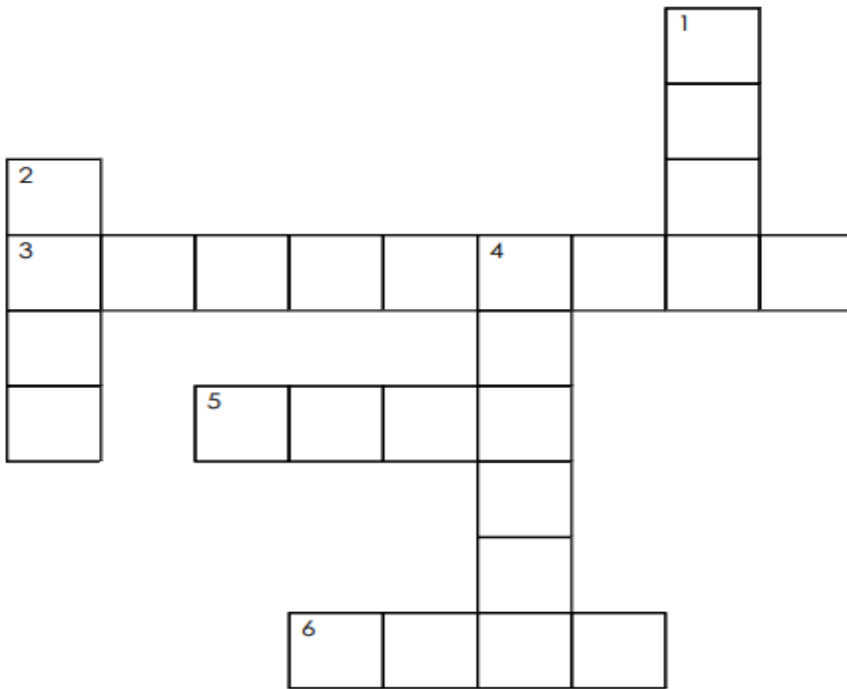


## WHAT WELDING IS

## 2.1. Vocabulary

**Ex. 1.** Solve the crossword puzzle.



**Across:**

### 3. оборудование

## 5. охлаждение

## 6. СВЯЗЬ

**Down:**

1. соединять

2. плавить

#### 4. расплавленный

*Ex. 2. Complete the sentences with the following words:*

<b>rank, cool, equipment, molten, melt, bond (2), join, add</b>
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To \_\_\_\_\_(1) the pieces of metal together, you must  
\_\_\_\_\_ (2) heat.

You should \_\_\_\_\_(3) the welding course to improve your skills.

The \_\_\_\_\_(4) metal flows smoothly during the welding process.

The \_\_\_\_\_(5) between two metals is crucial for a strong weld.

When you \_\_\_\_\_(6) the metal, it becomes easy to work with.

In welding, you have to \_\_\_\_\_(7) safety as the top priority.

The \_\_\_\_\_(8) for welding includes a torch and protective gear.

After welding, allow the metal to \_\_\_\_\_(9) before touching it.

## **2.2. Grammar**

*Ex. 1. Complete these sentences with the verb in the negative.*

1. I saw Barbara, but I ..... Jane.

2. They worked on Monday, but they.....on Tuesday.

3. We went to the post office, but we.....to the bank.

4. She had a pen, but she.....any paper.

5. Jack did French at school, but he  
.....German.

*Ex. 2. Write questions with Did ... ?*

1. I watched TV last night. How about you?
2. I enjoyed the party. How about you?
3. I had a good holiday. How about you?
4. I finished work early. How about you?
5. I slept well last night. How about you?

### **2.3. Reading**

*Ex. 1. Read the text.*

#### **What is welding?**

Welding is a way to join two pieces of metal. It can be done with or without heat. With heat, the metal is melted. Then, it cools down and becomes solid again. Without heat, the metal does not melt. It is joined together by pressure.

Heat welding: In this type of welding, a special tool is used. It has a hot metal part. This part is put on the metal. The heat melts the metal. When the metal cools down, it becomes solid again. Now, the two pieces of metal are joined together.

Pressure welding: In this type of welding, no heat is used. Instead, the metal is joined by pressure. This can be done in different ways. For example, two pieces of metal can be pressed together. Or, they can be hit with a hammer. Another method is to use a special kind of glue. It sticks the two pieces of metal together.

Welding is very important. It is used in many industries. For example, cars are made with welding. Ships and airplanes are made with it, too. Also, buildings are made with welding. And trains and bridges. Welding is also used to repair things. For example, if a pipe breaks, it can be welded back together. If a hole appears in a metal wall, it can be filled with welding.

*Ex. 2. Answer the questions.*

1. What is welding and how does it work?

2. How is heat welding different from pressure welding?
3. What type of tool is used in heat welding?
4. How are two pieces of metal joined together in pressure welding?
5. In which industries is welding commonly used?
6. Can you give examples of things that are made using welding?
7. How is welding used to repair things?

## **2.4. Communication**

*Ex. 1. Make sentences using the following words:*

1. welding/used/join
2. need/welding/machine
3. sparks/welding/bright
4. Wear/protective/gear
5. show/weld/properly
6. dangerous/job/done
7. important/skill/learn
8. Practice/makes/perfect
9. check/welding/equipment
10. follow/safety/precautions