

Факты из видеоролика «Металлургия»

6-7 класс, версия для педагога



- 1. Metallurgical enterprises can use in their production not only iron ore. Metallurgical enterprises can also use scrap metal.

- 2. In order to give the metal the required shape, it needs to be heated to a temperature of 1200°C. Approximately at such a temperature, the metal becomes soft, but it is not yet melting, so the shape of metal blanks can be changed.

- 3. The technological process in the enterprise is chaotic, but this does not prevent specialists from doing their work. The technological process in any factory is organized and debugged down to the smallest details.

- 4. Melting metal can be done in a special furnace with the help of electrodes. Electrodes create small «lightning bolts», which melt the metal.

- 5. One steel ingot weighs as much as two cars. Working with such weights is possible only on a large and not less heavy equipment. Therefore, metallurgy is related to heavy industry.

- 6. An engineer-technologist in a metallurgical plant, like a cook, who cooks soup. It is precisely the engineer-technologist who knows what to add to the alloy so that the steel becomes even stronger or, for example, more fire-resistant.

- 7. Steel is a very rare metal, it is difficult to obtain. Steel is a widespread metal, from it most of the structures around us are made.

