

Railway and civil engineering

Individual assignment



Task 1: Write the correct term next to the correct explanation.

drainage	formwork	ground work
foundation work	mast	reinforcement
compaction	substructure	ballast

1. _____ is work to prepare the ground for construction.

2. _____ is compressing soil or material to make it solid.

3. _____ is work to lead water away from an area.

4. _____ is work that ensures buildings and structures stand firm.

5. _____ is the layer beneath the ballast and sleepers that supports the entire track.

6. _____ is crushed stone that stabilises the track and drains water.

7. _____ is a pole that holds up the contact wire.

8. _____ is creating moulds into which concrete is poured.

9. _____ is steel used to strengthen concrete.

Task 2: Draw a line between the correct term and the picture.



Excavation



Embankment fill



Points / Switch



Signal cabin



Safety lookout



Overhead line system



Continuously welded rail



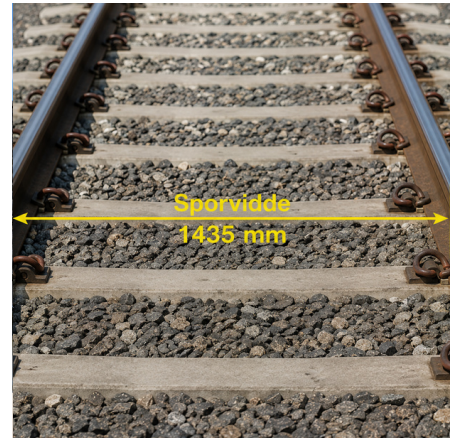
Blasting

Task 3: Write the explanation.

a) Find the term «sleeper».
Write the explanation.



b) Find the term «track gauge».
Write the explanation.



c) Find the term «compaction».
Write the explanation.

d) Find the term «signal cabin».
Write the explanation.

e) Find a term you did not know before.
Write the term and the explanation.



Task 4: Write a text.

- Write a simple text of 150-300 words.
- Use 10 terms or more.
- Choose task a) or b).

a) You work as a track installer. You are going to take part in building a new railway line. Explain how the work can be carried out from the ground up until the track is ready.



Examples of terms you can use:

Ballast, Sleeper, Track gauge, Points / Switch

You can also use other important terms from the KLAR app:

Continuously welded rail, Overhead line system, Mast, Signal cabin, Safety lookout, Foundation work, Compaction

b) You work as a civil engineering worker. You are going to prepare an area before a railway is built. Explain how you will carry out the work.



Examples of terms you can use:

Ground work, Excavation, Embankment fill, Drainage, Reinforcement, Formwork, Blasting