



Unit 26 Concrete

Task 01 – Put the text pieces into the correct order.



KV zur Differenzierung: Schneiden Sie die Textteile aus und lassen Sie sie von schwächeren Schülerinnen und Schülern in die richtige Reihenfolge bringen.



Concrete basics
Concrete is a composite material.
Its components are cement aggregate and water.
Aggregate may consist of coarse aggregate (like gravel), fine aggregate (like sand) and other admixtures according to a specification given by the structural engineer.
The most common type of concrete is Portland cement concrete. We'll have a closer look at cement later on.
By mixing all the components together, a semi-liquid mass is produced that can be shaped and poured into forms.
At this stage, concrete offers great flexibility and workability.
When producing concrete, cement reacts chemically with water (hydration). Thus concrete sets by "getting wet!"
Finally, a building material is created that has characteristics similar to stone.
Most supporting building parts are made with reinforced concrete.
This is concrete in which steel elements like steel bars or steel rod mats are included.
By doing so it can bear heavy loads and building parts can be connected.