# Unit 112: Construction operations and civil engineering operations

# Worksheet 26: Concrete – the materials 2 (tutor)

1. Look at the images of the materials below. For each one:

Write in the name the of the material and what is used for in the second column.   
Answer the questions about the material in the third column.

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| Material | Name and purpose of material | Is it used for making concrete? If no, what would it be used for? |
|  | Gravel  Gives the main body in concrete, provides strength and must interlock | Yes, must be in concrete |
| A close up of a rock  Description automatically generated | Cement  Glue bonding agent in the concrete | Yes, must be in concrete |
|  | Building sand  Not used in concrete, used to make mortar. | No this would never be used in making concrete but is used for mortar. |

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| Material | Name and purpose of material | Is it used for making concrete? If no, what would it be used for? |
|  | Water  Starts the chemical reaction when the other materials are mixed together. | Yes, must be used in concrete, must be potable i.e. clean enough to drink. |
|  | Sharp sand  Helps in the main body of concrete; this fills the smaller voids in the concrete. | Yes, must be used in concrete; fills the smaller voids. |
|  | Plasticiser  Not used in concrete, used to make mortar stay workable for longer | No this would never be used in making concrete but is used in mortar. |