






1st TERM TECHNOLOGY

1. What is technology? Choose the right option to complete the definition of technology:



Technology is the application of knowledge andin order to findthatour needs andour problems.

2. Order the stages of the technological process and join each one with its description.

| | | | |
|---|--------------------------------|--|---|
| 1 | Planning | Making a prototype |  |
| 2 | Research | Try if it works, find problems and think how to improve it. |  |
| 3 | Define the problem | Choose the best solution between all the individual proposals of the team. |  |
| 4 | Construction | Analyze and explain in detail what is the problem we need to solve. | |
| 5 | Individual solution | Investigate about the problem we need to find a solution. |  |
| 6 | Test and evaluation | Think individually a possible solution. |  |
| 7 | Group decision: final solution | Sketch, list of tools and materials and working plan. | |

3. Identify the origin of each one of these materials (plant, animal or mineral):

| | | | |
|---------|----------------------|-----------|----------------------|
| Wood | <input type="text"/> | Silk | <input type="text"/> |
| Leather | <input type="text"/> | Cardboard | <input type="text"/> |
| Glass | <input type="text"/> | Metals | <input type="text"/> |
| Wood | <input type="text"/> | Concrete | <input type="text"/> |

4. Join each of these properties of the technical materials with its definition:

HARD

It is easy to break.

RESISTANT

It is difficult to scratch.

FRAGILE

After it is stretched it returns to its original shape.

PLASTIC

Having great weight.

RIGID

You can mould it.

SOFT

It is easy to scratch.

FLEXIBLE

It is easy to bend.

DUCTILE

Not allowing water to go through.

MALLEABLE

It is difficult to break.

HEAVY

You can shape it into thin sheets.

WATERPROOF/
IMPERMEABLE

It is difficult to bend.

ELASTIC

You can shape it into thin wires.

5. Find the intruder: choose the property that does NOT belong to these properties:

WOOD

METALS

PLASTICS

FABRICS

MINERALS