

CHECK YOUR LEARNING



1. Drag the examples to the correct simple machine.

Door knob	Window blind	See-saw
Ramp	Knife	Bottle lid

- a) Pulley: _____ d) Wedge: _____
- b) Wheel: _____ e) Inclined plane: _____
- c) Lever: _____ f) Screw: _____

2. Name the components of a drill.

bearings gears switch motor

- a) _____: these are wheels with teeth.
- b) _____: this turns the drill bit.
- c) _____: we use this to switch the drill on and off.
- d) _____: these small balls reduce friction between the moving parts.

3. Match the inventions with the definitions.

- | | |
|------------------------|---|
| a) Nylon and viscose | Used to monitor heartrate |
| b) Tins | Used to keep food fresh |
| c) X-rays | Used to make more resistant clothes |
| d) Touch sensitive pad | Used to produce music from audio tracks |
| e) Hovercraft | Used to travel quickly over water or land |
| f) Recording studio | Used to examine bones and muscles |
| g) Electrocardiogram | Used to create digital artwork |

4. Circle the correct option.

1. Who invented a computer but never built it?
a) Tommy Flowers b) Charles Babbage and Ada Lovelace
2. Which modern inventions have improved healthcare?
a) Nylon and viscose b) Microscopes and scanners
3. Which transport invention is NOT a modern invention?
a) the hovercraft b) the bicycle
4. What is a computer?
a) a machine that can be programmed b) a machine that we can play games on
5. What is the Internet?
a) a system of connected computers b) a very large computer used to break codes

5. Order the events chronologically. Write numbers.

- ____ The microprocessor was invented. ____ The Colossus was built.
____ The first PCs were produced. ____ A programmable machine was designed.

6. Classify the words. Write I (Internet) or WP (word processing).

- Cut and paste ____ Keywords ____ ISP ____ Save ____
Browser ____ Italics ____ Print ____ Highlight ____ Router ____
Links ____ Bullet points ____ Spell check ____

7. Read the profiles of these four people. Then answer the questions below.

a) **Name:** John Sykes

Profession: Artist

Job description: John designs scenery for video games. This means he designs the places. This includes inside and outside buildings, natural environments or places that don't exist, such as spaceships. He uses a specific software program to create the backgrounds digitally. Then, the video game production company adds his designs to the game.

b) **Name:** Joanne Littlewood

Profession: musician

Job description: Joanne works as a musician for a television company. She plays several different instruments. She records soundtracks for television programs and series. In the studio, she plays a part of the music. This part is recorded and then all the parts are mixed together by a sound engineer.

c) **Name:** Luke MacNally

Profession: Personal fitness trainer

Job description: Luke helps his clients to keep fit and healthy. He designs exercise routines and diets for his clients. He inputs the food they have eaten and exercises they have done into a specific software program every day. He also uses modern inventions to measure his clients' fitness levels.

a) Who has to design menus for his or her clients? _____

b) Whose work appears on television shows? _____

c) Who has to draw pictures of buildings and trees? _____

d) Who has to use a specific program in their job? _____