

# 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
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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? \_\_\_\_\_