

write

Additive or Subtractive
next to each image.

~~subtractive~~

~~Additive~~

~~subtractive~~

~~Additive~~

Additive



Activity 3



H.w

Fill in the blank spaces using the words below.

platform	software	desktop	filament	heated nozzle
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1. The Flash Forge Finder uses fused deposition modelling which means it uses a plastic string called filament.
2. FDM is the most common technology used for desktop **3D printers**.
3. The filament goes from a reel to a heated nozzle inside the 3D printer.
4. The melted filament is laid on the software as a layer.
5. The platform creates your design from the file you sent to the computer that is connected to the printer.



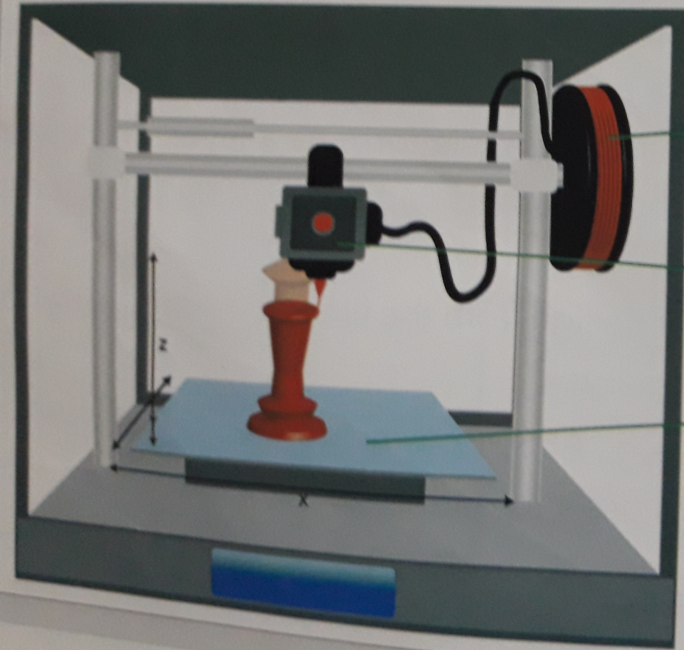
Activity 2

Label the parts of the printer using the words below:

filament

printing platform

heated nozzle



~~filament~~

~~heated nozzle~~

~~printing platform~~

2. FDM is 3D pri
3. The the
4. Th
5. Th t

Activity 4

Complete each sentence. Tick (✓) the correct answer.

3D printing technology is:

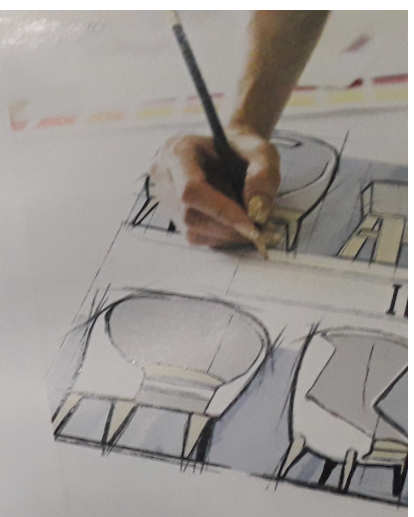
- 1. moving very slow.
- 2. changing how you design and make everything.
- 3. not real.

A 3D-printed building in Dubai:

- 1. cost 538,800 AED and at 100 times more than normal.
- 2. took 17 days to be printed.
- 3. is the first 3D-printed office building in the world.

The design process is:

- 1. a way of solving a problem.
- 2. a paper design of a product.
- 3. printing 3D objects.



Every product goes through a design process before it will go on the market. It is important to ensure high quality. It is also to make sure it meets the requirements and is good for the user.

The design process has several stages:

- Brief
A design brief is a written document that defines the **problem**. It also shows the requirements and constraints.
- An analysis of the problem