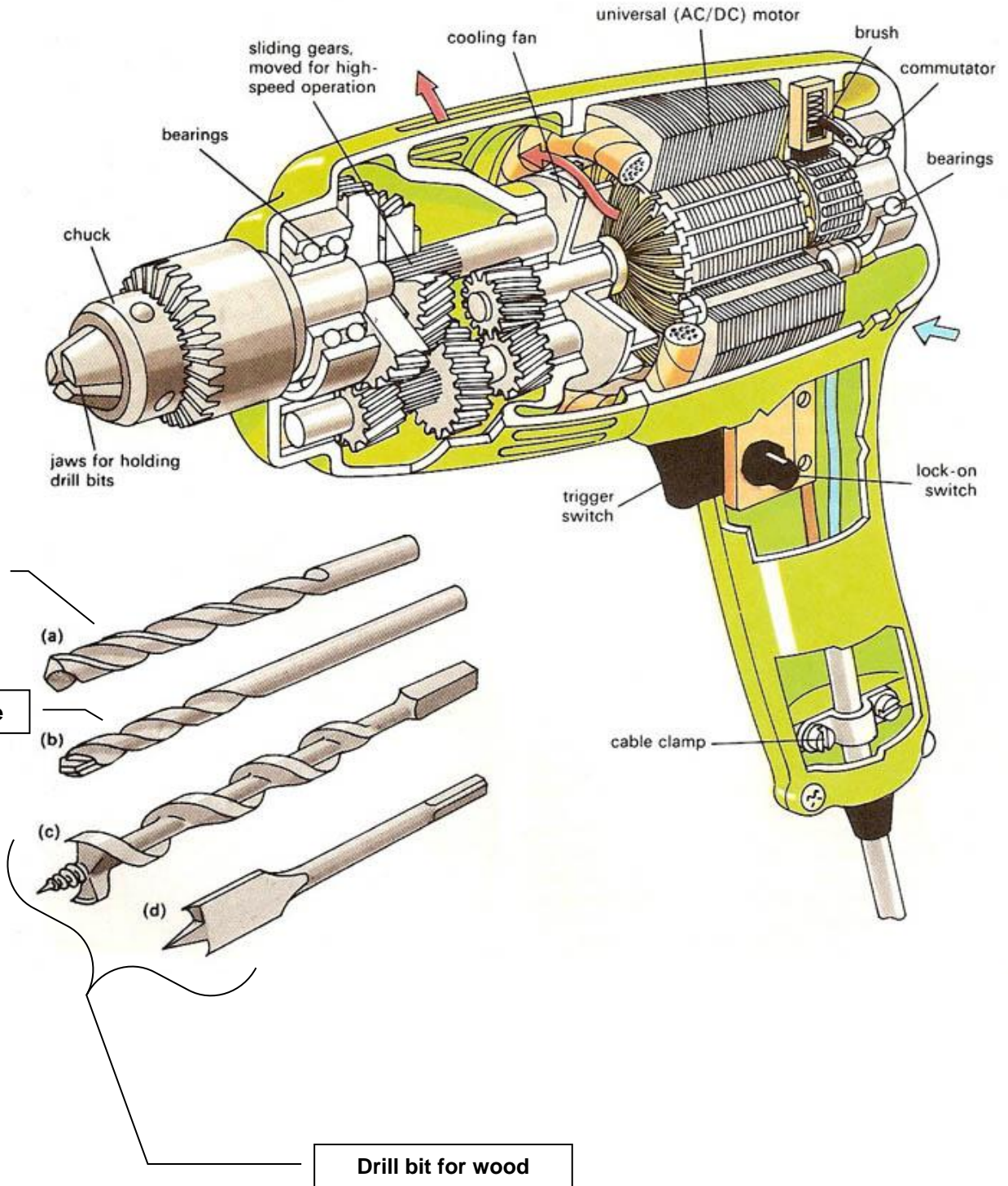


D'après Jean David Delord	Nom :	Date :	
	Hammer drill	Cours	Note :
		1ère STI2D	
		Page 1 sur 2	

PART ONE (0:00 to 0:42 min)

1/ Watch the first part of the video twice. Which components are mentioned? Underline them on the cutaway.



D'après Jean David Delord	Nom :	Date :	
	Hammer drill	Cours	Note :
		1ère STI2D	
		Page 2 sur 2	

2/ True or false? Justify orally

- a. T F Breaking apart a hammer drill is safe.
b. T F The hammer drill that is presented can only pierce wood.

PART TWO (1:00 to 1:39 min)

3/ Watch the second part twice and fill in the blanks while and after listening. (one blank = one word)

Push that _____ and the _____ starts. It can attain the speed of _____ revolutions per minute. This _____ engages the first _____, a small gear that transmits the rotary motion to the _____ second gear. Attached to the end of the second gear the chuck assembly now has _____ and _____ to turn the drill bit. The drill bit is a _____, with a _____ motion. Its helicoidally shape also allows it to clear away the bits of _____. As it turns it pushes away the debris which climbs up the _____ until it's removed from the hole.

4/ In this part, what kind of material does the hammer drill pierce? _____

PART THREE (1:40 to the end)

5/ Watch the video and tick the words that you hear.

No way	casing	model	over and over again
Drill bit	case in	gear	other and other again
precaution	access	ridges	jack hammer
percussion	axis	bridges	better
hole	metallic	falls back violently	butter
movement	motor	flows back vigorously	

6/ What kind of material is being pierced now?

7/ What is the correct translation of "ridges"? bords dents creux

8/ Fill in the blanks to give the definition of "percussion mode":

"To pierce _____ the drill must _____ it to _____ it."

"At maximum speed, that's more than _____ impacts per minute."

"A real _____ that cracks the concrete."

9/ Pair work : Translate into French the following passage.

- To engage the percussion mode, move the selector switch and that moves a plate with a hole on it.
- This movement aligns the hole with the second gear's axis.
- The casing drops of a few fraction of an inch down onto the axis.
- The ridges at the back of the gear insert themselves into the ridges of the metallic plate above.
- Squeeze that trigger switch and the motor starts. That turns the first gear which turns the second gear.
- The ridges at the back of the second gear slide along the metallic plates ridges.
- This moves the casing away.
- That casing falls back violently pushed by the way of the drill operator. And it all happens over and over again.

Words to remember

To allow = to permit = to enable

Groove: sillou

To wear = to damage or weaken by use or rubbing