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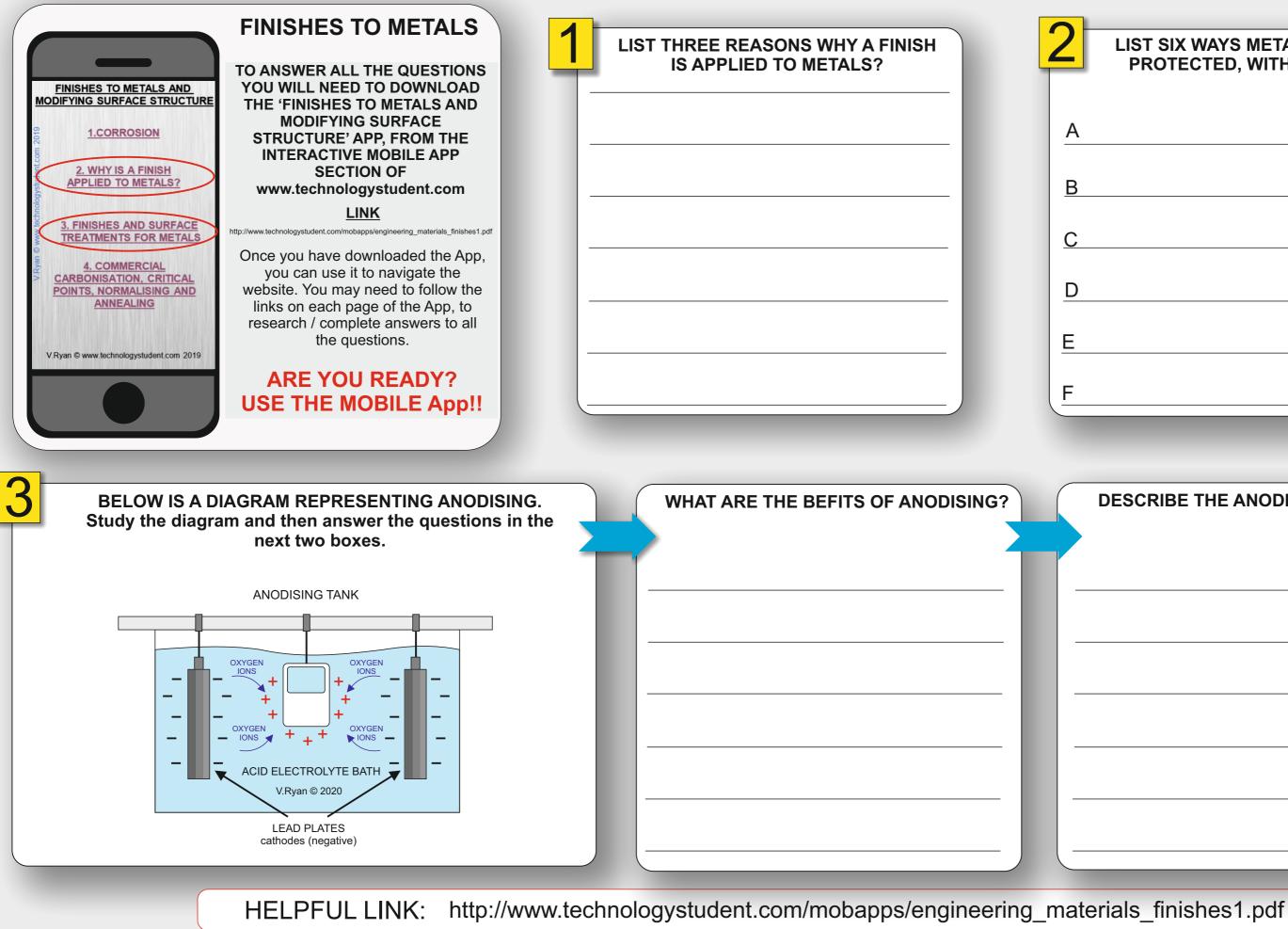
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LIST PROBLEMS ENGINEERS FACE, **ASSOCIATED WITH CORROSION.** Include a reference to structures.

LIST A RANGE OF FINISHES THAT CAN **PREVENT / REDUCE CORROSION OF** METALS.

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LIST SIX WAYS METALS CAN BE **PROTECTED, WITH A FINISH.** DESCRIBE THE ANODISING PROCESS.

B

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FINISHES TO METALS AND MODIFYING SURFACE STRUCTURE 1.CORROSION 1.CORROSION 2. WHY IS A FINISH APPLIED TO METALS? 3. FINISHES AND SURFACE TREATMENTS FOR METALS 4. COMMERCIAL CARBONISATION, CRITICAL POINTS, NORMALISING AND ANNEALING	TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'FINISHES TO METALS AND MODIFYING SURFACE STRUCTURE' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com LINK Mtp://www.technologystudent.com/mobapps/engineering_materials_finishes1.pdf Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.		Support	WHAT IS PLANISHING?	
	ARE YOU READY? USE THE MOBILE App!! LOW, PASTE FOUR IMAGES OF PL PRODUCTS / SURFACES.	ANISHE	D 3	WHEN IS LACQUER NORMA APPLIED TO THE SURFACE OF A	DE
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YOUR SKETCH - PLANISHING.

ESCRIBE THE PROCESS OF APPLYING LACQUER TO A METAL.

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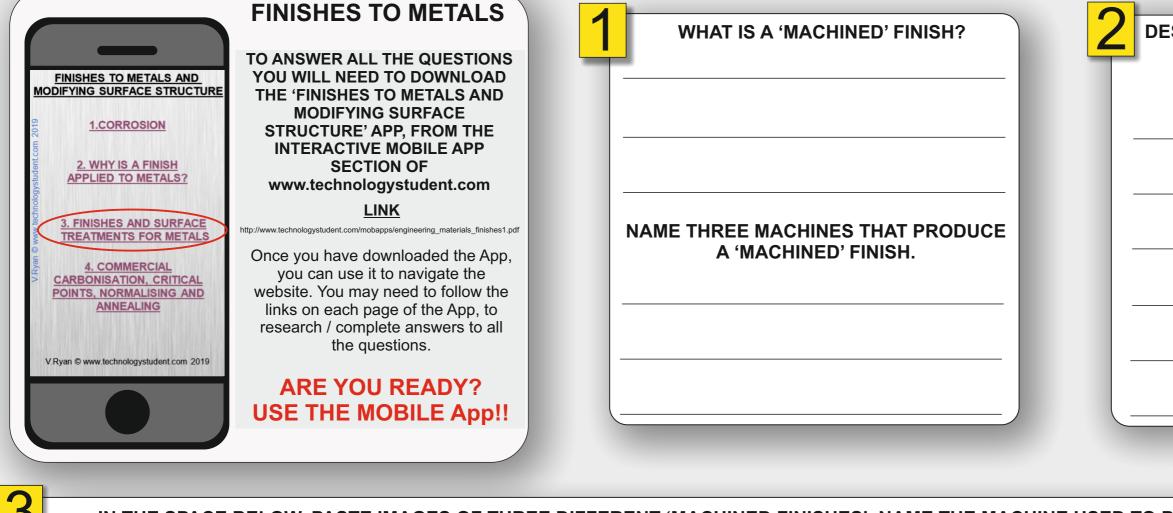
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	ARE YOU READY? USE THE MOBILE App	II			
2 IN THE SPACE BELC	OW, DRAW A DIAGRAM THAT I	REPRESENTS		ECHNIQUES FOR	
	YING A 'POWDER COATING'.		SPRAYING METAL SUF	-	
			·		
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LIST FOUR PRODUCTS THAT ARE SOMETIMES POWDER COATED.

WHAT IS THE DIFFERENCE BETWEEN WATER BASED AND OIL / SOLVENT **BASED PAINTS?**

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IN THE SPACE BELOW, PASTE IMAGES OF THREE DIFFERENT 'MACHINED FINISHES'. NAME THE MACHINE USED TO PRODUCE EACH FINISH.

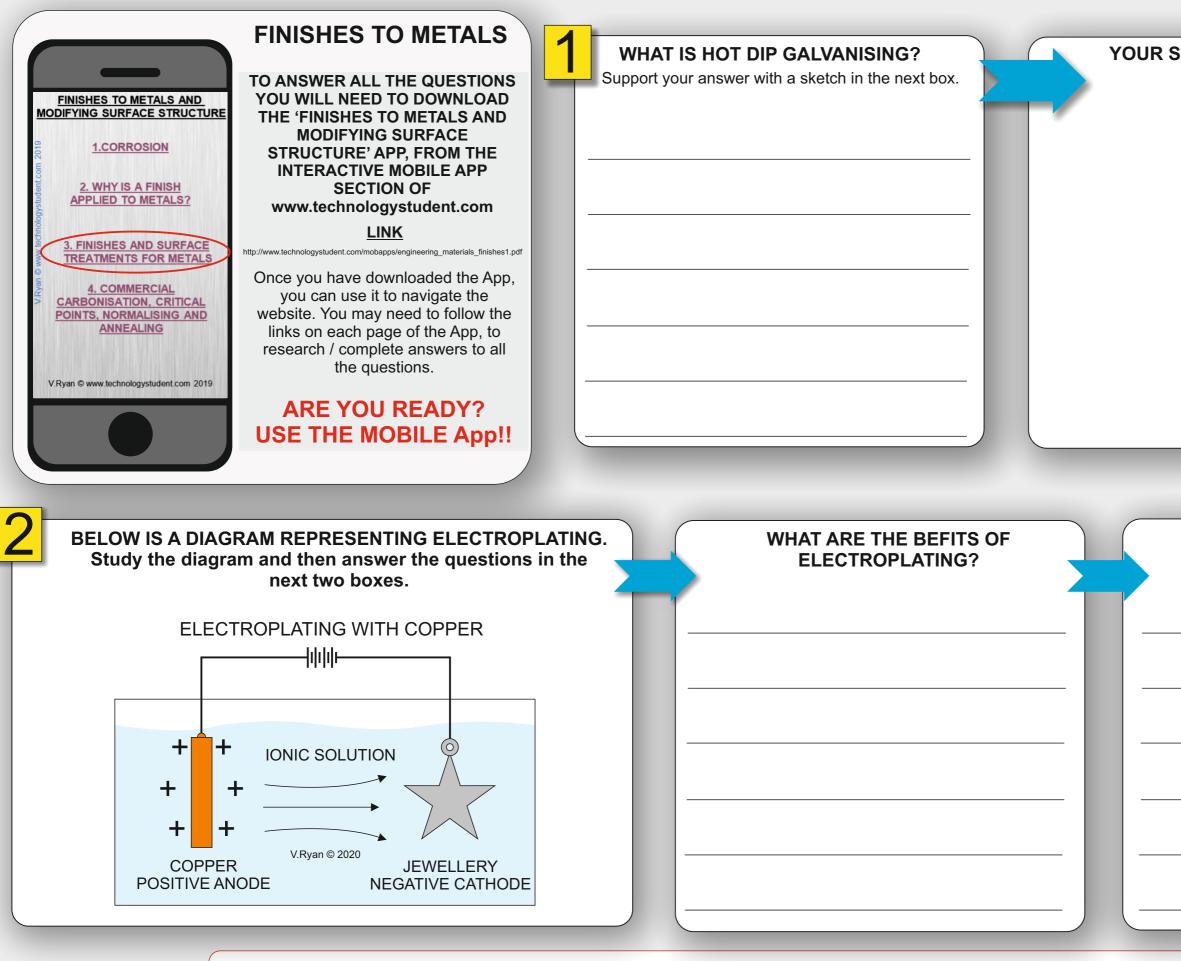
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DESCRIBE MACHINING THAT YOU HAVE CARRIED OUT.

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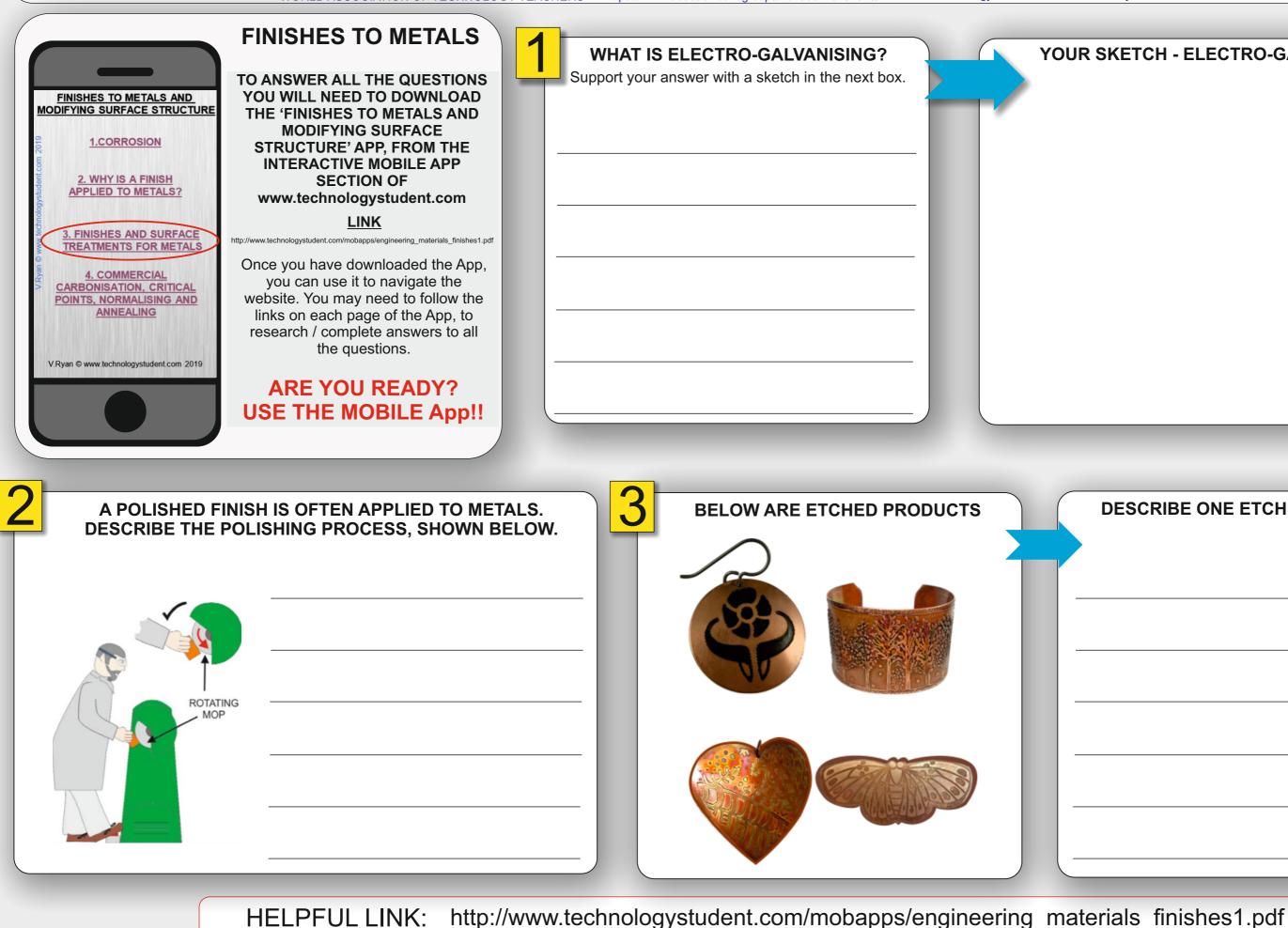
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YOUR SKETCH - HOT DIP GALVANISING.

DESCRIBE THE ELECTROPLATING PROCESS.

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YOUR SKETCH - ELECTRO-GALVANISING.

DESCRIBE ONE ETCHING PROCESS.

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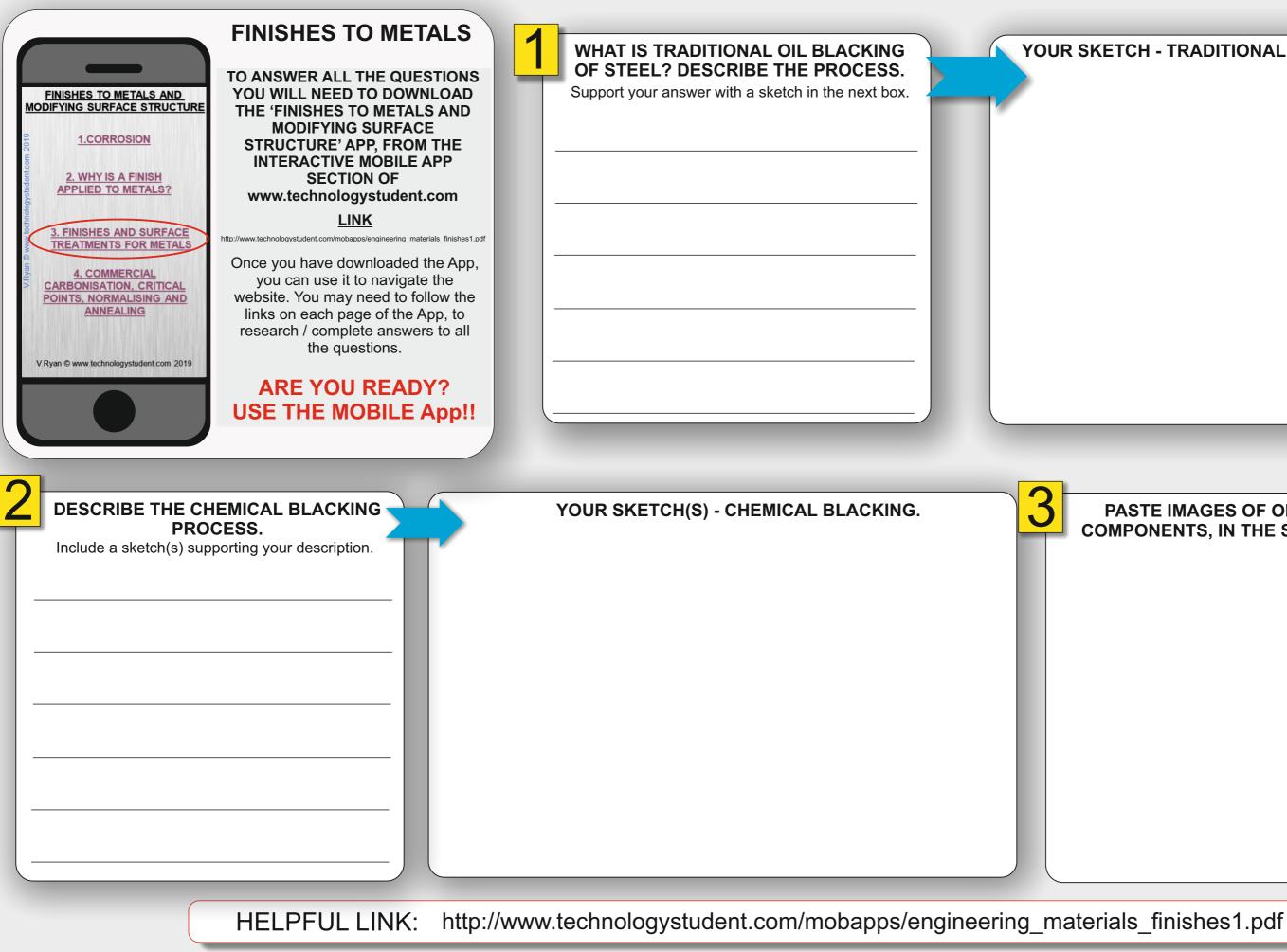
THE INTERNET FOR CASE HARDENED **COMPONENTS / PRODUCTS.** LIST FOUR BELOW:

WHAT IS 'ANNEALING' OF METALS?

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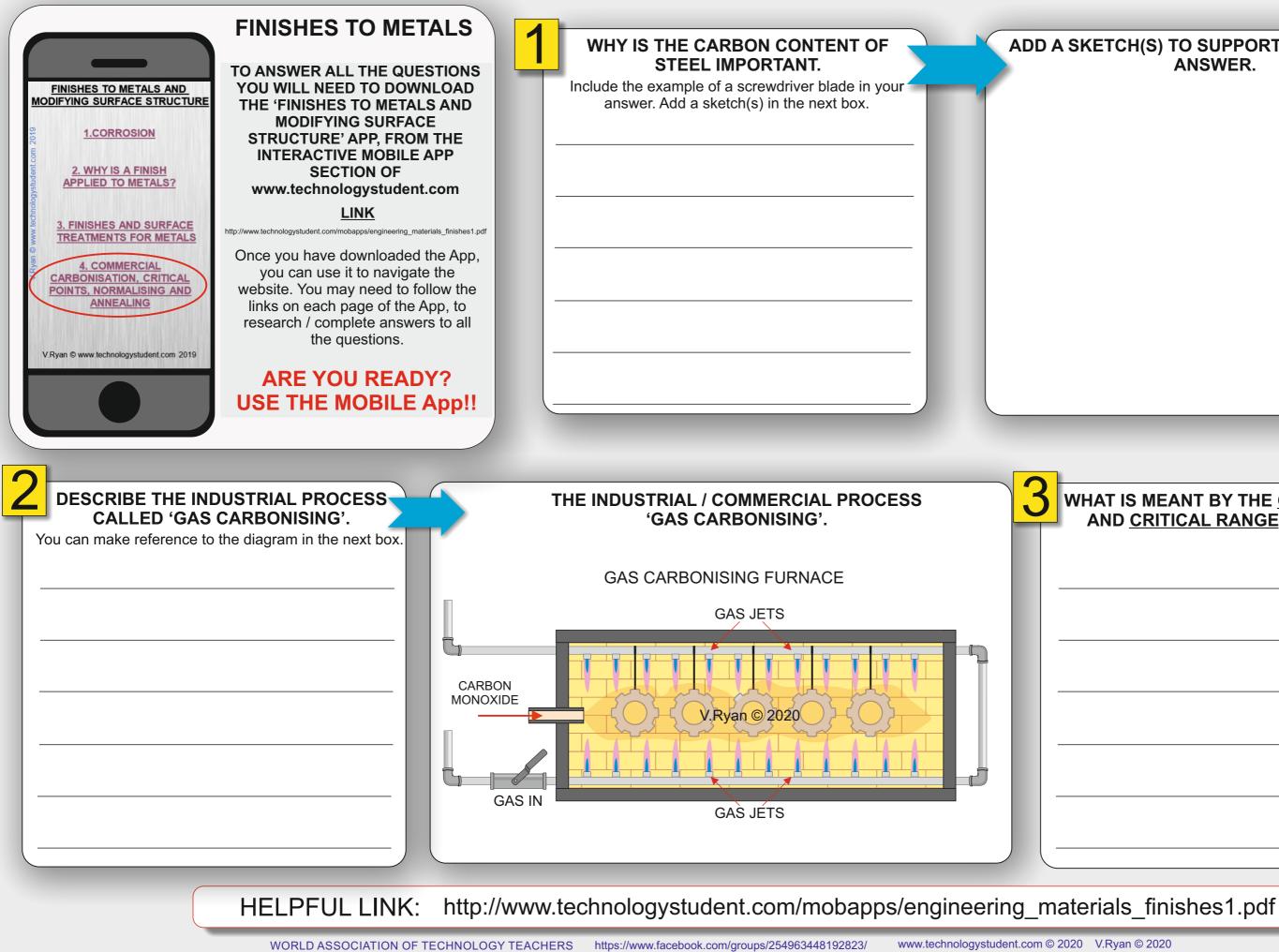
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YOUR SKETCH - TRADITIONAL OIL BLACKING.

PASTE IMAGES OF OIL BLACKED COMPONENTS, IN THE SPACE BELOW.

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ADD A SKETCH(S) TO SUPPORT YOUR WRITTEN ANSWER.

WHAT IS MEANT BY THE CRITICAL POINT AND CRITICAL RANGE OF METALS?

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