Shaping, forming and processes · notes sheet

Name: _____ Date: _____ AQA 3.2.5, 3.2.8

1. Wasting

Wasting means: _____

Four wasting processes: _____, _____, _____, _____

One way to reduce waste: _____

Lab test: turning a chair leg.	
I predict:	**What happened and why:**

2. Deforming

Process	Material	How it works
Line bending		
Vacuum forming		
Laminating		

Lab test: vacuum forming a tray.	
I predict:	**What happened and why:**

3. Reforming

Process	Material	How it works
Injection moulding		
Blow moulding		
Casting		

Why does reforming suit large numbers? _____

Lab test: injection moulding a cap.	
I predict:	**What happened and why:**

4. Addition and joining

Material area	Two ways to join
Timber	
Metal	
Polymers	
Textiles	
Electronics	

Lab test: a good solder joint.	
I predict:	**What happened and why:**

5. Route cards

A route card shows: _____

Usual order: _____ → _____ → _____ → _____ → _____

Lab test: sort the steps.	
I predict:	**What happened and why:**

6. Quick fire

Situation	Answer
Bending acrylic	
Shaping HIPS over a mould	
Millions of bottle caps	
Curved wooden chair back	
Pouring molten pewter	
Joining components to a PCB	

Exam question (4 marks)

Describe how a vacuum-formed tray is made from HIPS. *Tip: make a point, then link it with **so…***