

Product Design Alphabet Quiz

Aa

What A bonds materials together?	
What A describes the look of products?	
This A is a mixture of metals.	
What A is the name for the study of human measurements?	
What A uses human features to enhance the design of a product?	
Which design movement beginning with A inspired the Chrysler Building in New York?	
Which design movement beginning with A started in the late 19th century and took inspiration from nature?	
Which design movement beginning with A started in France and used organic lines and Japanese arts as its inspiration?	

Bb

What B is the name for when a set number of products are made at the same time?	
What B describes materials that can be broken down by rain and sunlight?	
Which design movement beginning with B was started by Walter Gropius?	
What B is a type of packaging that has a printed back board and a heat-sealed plastic cover?	
What B is an industrial manufacturing technique used to form hollow objects?	
What B is a type of material that weighs more than 200gsm?	

This B is the 'look' of a type of product or a company, usually made recognisable through use of image, name, etc.	
What B is the full official name of the kite mark?	

Cc

What does the C and the E in the CE mark stand for?	
Which letters starting with C make up the abbreviation for printing colours?	
What do CAD and CAM stand for?	
What does CNC stand for?	
What C is the name for flexible materials?	
What C is the name for materials made from two or more different materials?	
What C is the name for a design representing the present day?	
What C is the name for an automated manufacturing system that runs all the time?	
What C is the name of the process that causes a metal bench to rust?	
What C is a type of board used for cartons and boxes due to its strength-to-weight ratio?	

Dd

What D is a technique used in the printing process to cut and crease material – often used for celebration cards?	
What D is a circular peg, often made from beech wood and frequently used in joints?	
Which design movement beginning with D was founded in Holland by Theo Van Doesburg?	

Which machine beginning with **D** is used to make circular holes in material?

Ee

What **E** is the name for the relationship between a product, its user and its purpose?

What **E** is the name for a manufacturing technique that involves melting plastic or metal and forcing it through a mould to product a continuous profile?

Ff

This **F** describes a metal that contains iron.

What **F** is the name for how a product looks?

What **F** is the name for what a product does?

This **F** is the way in which workers and farmers can get a better deal for their products and services in developing countries.

What **F** is a type of board that has been laminated using aluminium?

Gg

These **Gs** are emitted when fossil fuels are burned and they contribute to global warming.

What **G** is the name for a small multifunctional device?

Which **G** is a mathematical term to describe the regular shapes often found in design?

Hh

Which H is a natural material that comes from deciduous trees, such as oak trees?	
What H is used to describe the relationship between a user and a product?	

Ii

What I describes a product that meets the needs of all users?	
This I is a manufacturing method used to produce plastic items in large quantities.	
A word beginning with I used to describe a design that is new, original and fresh.	

Jj

This type of production beginning with J is organised to generate products and materials in line with the need for them.	
This J is a natural timber that is easy to work with and finishes well.	

Ll

What L is the name for materials that are bonded together to improve strength or appearance?	
This L is used to describe a method of heating and bending thermoplastic sheet material.	
A machine beginning with L that is used to cut, score or engrave a material using an infrared beam.	

This **L** is the name of the most common commercial printing method.

Mm

This **M** is used to describe timber-based materials that have been made by gluing small wood particles together.

This **M** is the word used when consumer demand leads to product development.

This **M** is the name for the largest scale of production.

Nn

This **N** is the name for a metal that does not contain iron.

This **N** is used to describe a range of resources that will eventually run out – for example, oil-based products.

Oo

Which **O** is the word for when a product is no longer useful or functioning?

What **O** is the name for the manufacture of a single, unique product?

Pp

What **P** is the name for repeating shapes or objects?

What **P** is the place where the product is presented in order to attract customers to buy it?

These P s are characteristics of materials.	
This P describes issues relating to behaviour and the mind.	
This P is an early sample or model of a product used to refine and test ideas.	
What P is a type of research carried out first hand?	
Which design movement beginning with P looked at form over function and had the ethos of 'anything goes'?	
What P describes a smart material that changes colour when it responds to light?	

Qq

What Q is the name for a range of tests carried out to check that a product meets the specification?	
What Q is the name for an approach that ensures products meet a satisfactory standard?	
What Q is a two-dimensional barcode that takes a user to a webpage when they scan it with a phone?	

Rr

What R turns an old product into something new?	
What R is a term to describe wood, plastic and metal based materials?	
What R is an industrial process used to manufacture hollow objects, such as traffic cones and wheelie bins?	
What R uses a computer to quickly generate 3D models?	
This R is a primary colour.	

Ss

This term beginning with S is used to describe the number of products made at any one time.	
This S is a natural material sourced from coniferous/evergreen trees – for example, pine.	
This S is how companies manage their ordering of materials or products.	
What S is the management of resources so that we protect the future of our natural environment and don't use up our natural resources?	
What S is the name for a group of materials that change their behaviour due to an external or chemical reaction?	
What S is a metal-based smart material that can revert back to its original shape under a certain temperature?	

Tt

What T is used when advances in technology are used to develop new products?	
This T is the name for a group of plastics with a memory and a low melting temperature.	
What T is the name for a group of plastics that cannot be reshaped once formed?	
What T is the name for the group of people at whom companies aim their products?	
What T is the last name of a designer who influenced the Art Nouveau movement by producing lamps and decorative homewares in the late 19th century?	

Vv

This V is a manufacturing method that uses formers and the extraction of air to create plastic containers.

Product Design Alphabet Quiz Answers

What A bonds materials together?	adhesive
What A describes the look of products?	aesthetics
This A is a mixture of metals.	alloy
What A is the name for the study of human measurements?	anthropometrics
What A uses human features to enhance the design of a product?	anthropomorphism
Which design movement beginning with A inspired the Chrysler Building in New York?	Art Deco
Which design movement beginning with A started in the late 19th century and took inspiration from nature?	Arts and Crafts
Which design movement beginning with A started in France and used organic lines and Japanese arts as its inspiration?	Art Nouveau

What B is the name for when a set number of products are made at the same time?	batch production
What B describes materials that can be broken down by rain and sunlight?	biodegradable
Which design movement beginning with B was started by Walter Gropius?	Bauhaus
What B is a type of packaging that has a printed back board and a heat-sealed plastic cover?	blister package
What B is an industrial manufacturing technique used to form hollow objects?	blow moulding
What B is a type of material that weighs more than 200gsm?	board
This B is the 'look' of a type of product or a company, usually made recognisable through use of image, name, etc.	brand
What B is the full official name of the kite mark?	British Standards Institute

What does the C and the E in the CE mark stand for?	Conformité Européenne
Which letters starting with C make up the abbreviation for printing colours?	CYMK

What do CAD and CAM stand for?	Computer Aided Design / Computer Aided Manufacture
What does CNC stand for?	Computer Numerically Controlled
What C is the name for flexible materials?	compliant
What C is the name for materials made from two or more different materials?	composite
What C is the name for a design representing the present day?	contemporary
What C is the name for an automated manufacturing system that runs all the time?	continuous
What C is the name of the process that causes a metal bench to rust?	corrosion
What C is a type of board used for cartons and boxes due to its strength-to-weight ratio?	corrugated board

What D is a technique used in the printing process to cut and crease material – often used for celebration cards?	die cutting
What D is a circular peg, often made from beech wood and frequently used in joints?	dowel
Which design movement beginning with D was founded in Holland by Theo Van Doesburg?	De Stijl
Which machine beginning with D is used to make circular holes in material?	drill

What E is the name for the relationship between a product, its user and its purpose?	ergonomics
What E is the name for a manufacturing technique that involves melting plastic or metal and forcing it through a mould to product a continuous profile?	extrusion

This F describes a metal that contains iron.	ferrous
What F is the name for how a product looks?	form

What F is the name for what a product does?	function
This F is the way in which workers and farmers can get a better deal for their products and services in developing countries.	Fairtrade
What F is a type of board that has been laminated using aluminium?	foil lined board

These Gs are emitted when fossil fuels are burned and they contribute to global warming.	greenhouse gases
What G is the name for a small multifunctional device?	gizmo
Which G is a mathematical term to describe the regular shapes often found in design?	geometry

Which H is a natural material that comes from deciduous trees, such as oak trees?	hardwood
What H is used to describe the relationship between a user and a product?	human interface

What I describes a product that meets the needs of all users?	inclusive
This I is a manufacturing method used to produce plastic items in large quantities.	injection moulding
A word beginning with I used to describe a design that is new, original and fresh.	innovative

This type of production beginning with J is organised to generate products and materials in line with the need for them.	Just In Time (JIT)
This J is a natural timber that is easy to work with and finishes well.	jelutong

What L is the name for materials that are bonded together to improve strength or appearance?	lamine
This L is used to describe a method of heating and bending thermoplastic sheet material.	line bending
A machine beginning with L that is used to cut, score or engrave a material using an infra-red beam.	laser cutter

This L is the name of the most common commercial printing method.	lithography
This M is used to describe timber-based materials that have been made by gluing small wood particles together.	manufactured boards
This M is the word used when consumer demand leads to product development.	market pull
This M is the name for the largest scale of production.	mass production
This N is the name for a metal that does not contain iron.	non-ferrous
This N is used to describe a range of resources that will eventually run out – for example, oil-based products.	non-renewable
Which O is the word for when a product is no longer useful or functioning?	obsolete
What O is the name for the manufacture of a single, unique product?	one-off production
What P is the name for repeating shapes or objects?	pattern
What P is the place where the product is presented in order to attract customers to buy it?	point of sale
These Ps are characteristics of materials.	properties
This P describes issues relating to behaviour and the mind.	psychological
This P is an early sample or model of a product used to refine and test ideas.	prototype
What P is a type of research carried out first hand?	primary
Which design movement beginning with P looked at form over function and had the ethos of 'anything goes'?	Post Modernism
What P describes a smart material that changes colour when it responds to light?	photochromic
What Q is the name for a range of tests carried out to check that a product meets the specification?	quality control

What Q is the name for an approach that ensures products meet a satisfactory standard?	quality assurance
What Q is a two-dimensional barcode that takes a user to a webpage when they scan it with a phone?	quick response code (QR code)

What R turns an old product into something new?	recycling
What R is a term to describe wood, plastic and metal based materials?	resistant materials
What R is an industrial process used to manufacture hollow objects, such as traffic cones and wheelie bins?	rotational moulding
What R uses a computer to quickly generate 3D models?	rapid prototyping
This R is a primary colour.	red

This term beginning with S is used to describe the number of products made at any one time.	scale of production
This S is a natural material sourced from coniferous/evergreen trees – for example, pine.	softwood
This S is how companies manage their ordering of materials or products.	stock control
What S is the management of resources so that we protect the future of our natural environment and don't use up our natural resources?	sustainability
What S is the name for a group of materials that change their behaviour due to an external or chemical reaction?	SMART
What S is a metal-based smart material that can revert back to its original shape under a certain temperature?	shape memory alloy

What T is used when advances in technology are used to develop new products?	technology push
This T is the name for a group of plastics with a memory and a low melting temperature.	thermoplastics
What T is the name for a group of plastics that cannot be reshaped once formed?	thermosetting plastics

What T is the name for the group of people at whom companies aim their products?	target market
What T is the last name of a designer who influenced the Art Nouveau movement by producing lamps and decorative homewares in the late 19th century?	Louis Tiffany
This V is a manufacturing method that uses formers and the extraction of air to create plastic containers.	vacuum forming