

Oxygen, iron, and aluminum
are

Select one:

- ☐ Composites
- ☒ Elements
- ☐ Alloys
- ☐ Compounds

The external wall runs along gridline A, and the internal corridor wall runs along gridline C, so the walls are with each other

Select one:

- ☐ intersect
- ☐ perpendicular
- ☒ parallel
- ☐ chain

a description of design objectives

Select one:

- ☐ Design brief
- ☐ Preliminary drawing
- ☒ Sketch
- ☐ Concept

The highest point of the structure is the top extremity of the highest tower.

Select one:

- ☒ True
- ☐ False

Woods comes only from
coniferous trees

Select one:

- ☐ Engineered wood
- ☐ Solid wood
- ☒ Softwood
- ☐ MDF wood

By this stage of the process,
the plastic is in a liquid state
and has fully cooled.

Select one:



True



False

Some material is lost in the washing process, but the mass of water absorbed is greater than the mass of material lost. So there's a net in total mass

Select one:

- ☐ supply
- ☒ gain
- ☐ demand
- ☐ loss

Duralumin is an Aluminum alloy that also contains copper and

Select one:

- ☒ magnesium
- ☐ titanium
- ☐ lead
- ☐ tins

Alloys can contain both metallic and non-metallic constituents.

Select one:



True



False

.....consists of long chains of atoms which form extremely large molecules

Select one:

- ☐ Water
- ☐ Iron oxide
- ☐ Steel
- ☒ Plastic

Little deviation allowed

Select one:

- ☐ Loose tolerance
- ☐ Outside tolerance
- ☒ Tight tolerance
- ☐ Within tolerance

One type of safety glass is toughened glass, also called tempered glass

Select one:



True



False

We need to show the position of the corner of the staircase with coordinate dimensions. There should be two dimensions, taken from two gridlines

Select one:

- ☐ duration
- ☐ perpendicular
- ☒ interference
- ☐ composite

A blueprinted engine is built to together very precisely, thanks to almost perfect clearance between moving parts.

Select one:

- ☐ Variation
- ☒ Fit
- ☐ Tolerance
- ☐ Range

Steel is a metallic element.

Select one:

☐

True

☒

False

..... concrete is one of the most widely used construction materials

Select one:

- ☒ Reinforcement
- ☐ Reinforcing
- ☐ Reinforce
- ☐ Reinforced



The radius of the curve in the motorway is constant, so the edges of the road follow chords of a circle.

Select one:

☒ True

☐ False

The wheel will have to fit very tightly on the axle

Select one:

- ☐ It needs a clearance fit
- ☒ It needs an interference fit
- ☐ It'll bind.
- ☐ It'll contract.

Rusty aluminum is a problem
as the layer of oxide
progressively comes off the
metal

Select one:



True



False

The practice of
overdesigning components
can be described as the
..... approach

Select one:

- ☐ worse-case scenarios
- ☒ belt and braces
- ☐ factor of safety
- ☐ specifications

^
v

If we need to cut into a hard surface, we need a tool made of steel contains

.....

Select one:

- ☐ nickel
- ☐ magnesium
- ☒ cobalt
- ☐ chromium

The positions were marked accurately – they were by our site engineer

Select one:

- ☐ intersect
- ☐ grid
- ☐ perpendicular
- ☒ set out

Stainless steel contains chromium as metal

Select one:

- ☐ an alloying
- ☒ a reinforcing
- ☐ a matrix
- ☐ an additive

Car windscreens are made by bonding glass to a polymer, such as PVB, to form a type safety glass.

Select one:

☒ True

☐ False

Of Course, money is limited.
Cost limitation is always a

Select one:

- ☒ budget
- ☐ function
- ☐ feature
- ☐ constrain

Cobalt is added to steel to make it harder.

Select one:

☒ True

☐ False

الإجابة
True

The shaft will shorten and narrow slightly as it cools, thus, It'll contract

Select one:



True



False

limits on the design is called
constraints

Select one:

- ☒ True
- ☐ False

The is the maximum internal width between the pipe walls.

Select one:

- ☒ the outside diameter
- ☐ the bore
- ☐ the radius
- ☐ the length

Carbon (C) is a

Select one:

- ☐ ferrous
- ☒ non-metal
- ☐ non-ferrous
- ☐ metal

Sheets of glass, which are obviously flat and thin, are called

Select one:

- ☐ Laminated glass
- ☒ Float glass
- ☐ Safety glass
- ☐ Tempered glass

For most engineering and architectural uses, annealed glass is suitable

Select one:



True



False

A layer of rust in steel can be categorized as

Select one:

- ☐ an alloy
- ☒ a compound
- ☐ a mixture
- ☐ an element

Additives is powder that enables concrete to set.

Select one:



True



False

The tops of the towers are at different levels, so a horizontal plane striking the top of one tower will not strike the tops of all the others .

Select one:



True



False

The highest point of a horizontal pipe is called

Select one:

- ☐ the invert
- ☐ the arch
- ☐ the chord
- ☒ the crown

Duralumin is an Aluminum alloy that also contains copper and

Titanium ☐

lead ☐

magnesium ☒

Tins ☐

The concrete has been set and gained strength

☒ structural

☐ prestressed

☐ precast

☐ a reinforcing

A cheap, low-strength boards, bonded together

plywood

OSB

Activate

Go to
MDF

.....A sand used in concrete is

☒ Fine aggregate

☐ additive

☐ coarse aggregate

☐ cement

consists of several layers of solid wood, so that the grain of each layer **runs** at 90 degrees to that of the adjacent plies

MDF ☐

OSB ☐

Plywood ☒

Glulam ☐

Soft wood comes only from coniferous trees

✓ صح ☒

خطا ☐

Minerals can be found in rocks



صحيح



خطأ



Wood cut with a circular saw is called rough-sawn timber

✓ صح ☒

خطأ ☐

Precast concrete is also prestressed by applying tension to the reinforcing bars

✓ صح ☒

خطأ ☐

A plasticizer is often used to delay concrete setting

صح ☐

خطأ ☒ [Activate Windows](#)
[Go to Settings](#)

A machine screw is a thin bolt



.It is only possible to weld metal components together

صح ☐

خطأ ☒

.consists of a bolt fitted inside a metal sleeve. The sleeve expands as the bolt is tightened in the hole

A wall plug ☐

threaded head ☐

An expansion anchor ☒

A grub screw ☐

arc welding uses a non-consumable electrode. (1

Gas tungsten ☒

Shielded metal ☐

Gas metal ☐

Metal inert Gas ☐