

Answer all the questions. There is one mark per question.

LANGUAGE

1 Complete the second sentence so that it has a similar meaning to the first sentence. Use NO MORE THAN FIVE WORDS including the word given.

1 It's possible they'll build plastic fuselages in the future.

POSSIBLY

_____ fuselages in the future.

2 They will probably build cars from plastic in the future.

LIKELY

_____ build cars from plastic in the future.

3 It's unlikely that they will make all vehicles from plastic.

PROBABLY

_____ all vehicles from plastic.

4 They will definitely start manufacturing in December.

CERTAIN

_____ start manufacturing in December.

2 Put the verbs in brackets into the correct form.

We (5) _____ (develop) a lot of plastic construction materials up to now. In fact, we (6) _____ (just build) the first road bridge which (7) _____ (be) made of plastic. We (8) _____ (start) designing it five years ago. Currently we (9) _____ (look) at developing plastic materials for vehicle manufacture but we don't think we (10) _____ (be able) to produce a plastic engine for quite a while although we (11) _____ (produce) a prototype last year.

3 Complete the second sentence so that it has a similar meaning to the first sentence.

12 Someone switched the motor on.

The motor _____.

13 The heaters raise the temperature of the plastic.

The temperature _____.

14 It blows compressed air into the molten polymer.

Compressed air _____.

15 They store the pellets in a hopper.

The pellets _____.

VOCABULARY

4 Complete the sentence with a word formed from the word in capitals at the end.

16 We have just looked at the _____ process. EXTRUDE

17 The factory _____ allows us to install all the new equipment. EXPAND

18 The next part of the process is the _____ of the plastic form from the mould. EJECT

19 The _____ of the factory was unexpected. CLOSE

20 They are researching the _____ of land vehicles by wind. PROPEL

21 The _____ of the plastic bottle shape happens last. COOL

5 Choose the correct option (a-d)

22 The soft plastic is _____ into a space between the two halves of the mould.

a) inverted b) ejected c) expelled d) injected

23 The space between the two halves of the mould is called the _____.

a) capacity b) crater c) cavity d) container

24 Planes may be made from plastic _____ in the future.

a) compositions b) composites c) complexes d) compositors

25 The motor _____ the screw, which pushes the pellets along the cylinder.

a) rotates b) revolves c) circles d) orbits

6 Complete the process with the correct option (a- e)

a) next
b) as it does this
c) finally
d) as you can see
e) four main stages

The diagram shows the (26) _____ of the process. (27) _____ from the diagram, someone adjusts the rollers to the correct width and then the motor starts, moving the rollers in opposite directions. (28) _____, a worker heats the metal plate which goes through the gap between the rollers. (29) _____, the rollers compress it to a thinner shape. (30) _____ the metal comes out in the form of a metal sheet.