

1 Write compound nouns

- 1 horse power
- 2 rotary engine
- 3 operating conditions
- 4 air brake
- 5 tensile strength
- 6 surface area
- 7 power plant
- 8 imperial units
- 9 thermal conductivity
- 10 blind rivets

2 Complete the table

	adjective	noun
Example	metallic	metal
1	malleable	malleability
2	ductile	ductility
3	brittle	brittleness
4	hard	hardness
5	dense	density
6	conductive	conductivity
7	elastic	elasticity
8	suitable	suitability
9	tough	toughness
10	strong	strength

3 Complete the table

	number	unit
passengers	14	–
maximum speed	150	kph
length	60	m
ceiling	6,000	m
engines	2 x 180	hp
volume	10,000	m ³
crew	4	–
width	20	m
range	800	km
cruise speed	120	kph
payload weight	1,500	kg

4 Complete the sentences

- A** cutaway; jet fighter
- B** orthographic projection; two-engine
- C** rough sketches; detailed
- D** exploded; components
- E** perspective; four-engine

5 Write questions

- 1 does
- 2 is an
- 3 does this/the
- 4 is stronger
- 5 passengers can
- 6 many times/often did
- 7 much did it/the plane
- 8 was this/the
- 9 break
- 10 Will

6 True or false

- 1 True
- 2 False
- 3 False
- 4 True
- 5 True
- 6 False
- 7 True
- 8 True
- 9 False
- 10 True

1 Fill in the gaps

- | | |
|---------|----------|
| 1 open | 6 switch |
| 2 turn | 7 clean |
| 3 pull | 8 remove |
| 4 start | 9 rotate |
| 5 press | 10 hold |

2 Complete the sentences

- 1 must
- 2 must not
- 3 must
- 4 cannot/must
- 5 must not
- 6 must not
- 7 must not
- 8 can
- 9 must

3 Make full sentences

- 1 Electric tools are heavier than air tools.
- 2 Air tools are easier to handle than electric tools.
- 3 Air tools are cheaper than electric tools.
- 4 Electric tools are more expensive than air tools.
- 5 Air tools are less expensive than electric tools.
- 6 Air tools are quicker than electric tools.
- 7 Air tools last longer than electric tools.
- 8 Air tools are more efficient than electric tools.
- 9 Many people say air tools are better than electric tools.
- 10 Air tools deliver a higher rpm than electric tools.

4 Make full questions

- 1 What's this tool used for?
- 2 How is this sword made?
- 3 Is it flexible?
- 4 Can we change the speed while the lathe is operating?
- 5 Why do you have to work on alclad sheet so carefully?

5 Write a suitable verb

- 1 press (pound)
- 2 select
- 3 fold
- 4 polish
- 5 mark out
- 6 hold
- 7 sharpen
- 8 score
- 9 grip
- 10 cut

6 Match the numbers to the diagrams

Pictures from left to right: 4, 3, 5, 1, 2

7 True or false

- 1 False
- 2 True
- 3 False
- 4 False
- 5 True

1 Make two-word or three-word nouns

- 1 plant
- 2 surfaces
- 3 construction
- 4 horizontal
- 5 tests
- 6 main
- 7 production
- 8 system
- 9 semi
- 10 crane

2 Complete the table

- 1 installation
- 2 assembly
- 3 modification
- 4 navigation/navigator
- 5 procedure
- 6 maintenance
- 7 production
- 8 descent
- 9 compression/compressor
- 10 automation

3 Complete the definitions

- 1 torsion
- 2 fuselage
- 3 propellers
- 4 tension
- 5 skin
- 6 shear
- 7 bending
- 8 frames
- 9 power plant
- 10 compression

4 Reorder the words

- 1 The three main assemblies are spliced together.
- 2 Has the cockpit been fitted yet?
- 3 The electrical systems can be tested now.
- 4 People will be replaced by robots.
- 5 The aircraft was painted blue and white/white and blue.

5 Complete the text

- 1 is located
- 2 are delivered
- 3 put together
- 4 work
- 5 be replaced
- 6 takes place
- 7 are spliced
- 8 are attached
- 9 test
- 10 are fitted

6 True or false

- 1 False
- 2 True
- 3 False
- 4 True
- 5 False
- 6 False
- 7 False
- 8 True
- 9 False
- 10 True

1 Fill in the gaps

- 1 raised
- 2 side
- 3 decrease
- 4 up and down
- 5 backwards
- 6 forwards
- 7 lower
- 8 back
- 9 to the right
- 10 to the left

2 Complete the sentences

- 1 flows
- 2 actuates
- 3 pumped
- 4 absorb
- 5 indicate
- 6 energised
- 7 raise
- 8 retracts
- 9 manoeuvred
- 10 climb

3 Complete the sentences

- 1 accurately
- 2 stiff; excessive
- 3 mechanical; primary
- 4 rolling; longitudinal
- 5 hydraulically
- 6 partially
- 7 inoperative

4 Match the sentence halves

- 1 If a window in the plane is broken, the cabin pressure drops.
- 2 You can get a private pilot's license when you are seventeen years old.
- 3 If one pilot is unable to fly, the team flies an eight-plane formation.
- 4 When you press this pedal, the rudder moves.
- 5 There is more danger of groundlooping if you fly a taildragger.

5 Make sentences

- 1 If/when water hits the/this valve, it closes.
- 2 If the landing gear is small, the plane flies/can fly faster.
- 3 If/when the/this light comes on, the air brake is extended.
- 4 If/when you push or pull the joystick, the elevators move.
- 5 If/when a pilot is tired, he will/can make mistakes.

6 True or false

- 1 False
- 2 True
- 3 True
- 4 False
- 5 True
- 6 True
- 7 False
- 8 True
- 9 False
- 10 False

1 Match the words

- | | |
|-----|------|
| 1 h | 6 h |
| 2 i | 7 j |
| 3 d | 8 a |
| 4 g | 9 c |
| 5 b | 10 e |

2 Write the complete spelling

- 1 reattach
- 2 dismantle
- 3 replace
- 4 remove
- 5 refit
- 6 strip down
- 7 inspect
- 8 lubricate
- 9 reassemble
- 10 rebuild

3 Complete the table

- 1 rpm
- 2 psi
- 3 kg
- 4 m
- 5 litres per minute
- 6 litres
- 7 hp
- 8 stroke
- 9 degrees
- 10 volts

4 Complete the sentences

- 1 in-line; similar
- 2 perpendicular; airframe
- 3 smoothed; flywheel
- 4 radial; circular
- 5 bolted; rotated

5 Make sentences

- 1 Air traffic has increased dramatically since 1980.
- 2 Commercial airliners have used kerosene for the past 50 years.
- 3 On-board radar systems have made flying much safer.
- 4 Both Boeing and Airbus have introduced new aircraft in the last two years.
- 5 Since the 1990s, budget airlines have operated in Europe.

6 True or false

- 1 False
- 2 True
- 3 False
- 4 False
- 5 True
- 6 False
- 7 False
- 8 True
- 9 True
- 10 True

1 Fill in the gaps

- 1 fail
- 2 subjected
- 3 riveted
- 4 stretched
- 5 stored
- 6 fitted
- 7 forced
- 8 connected
- 9 sealed
- 10 blocked

2 Complete the table

- 1 measurement
- 2 connection
- 3 lubricate
- 4 development
- 5 fitting
- 6 assemble
- 7 inspect
- 8 alignment
- 9 maintenance
- 10 install

3 Fill in the gaps

- 1 kph
- 2 per cc
- 3 cm
- 4 bhp
- 5 cubic metres
- 6 square kilometres
- 7 degrees
- 8 feet
- 9 rpm
- 10 mph

4 Complete the sentences

- 1 exploded; relative
- 2 multiple; simultaneously
- 3 withstand; stress
- 4 hydraulic; surfaces
- 5 fuel; maintain

5 Choose the correct preposition

- 1 to
- 2 through
- 3 from
- 4 from
- 5 out of
- 6 with
- 7 in
- 8 down
- 9 into
- 10 between

6 True or false

- 1 False
- 2 True
- 3 True
- 4 False
- 5 True
- 6 True
- 7 True
- 8 True
- 9 True
- 10 False

1 Fill in the gaps

- 1 fire
- 2 oxygen
- 3 life
- 4 safety
- 5 fuel
- 6 ground
- 7 landing
- 8 liquid
- 9 breathing
- 10 seat

2 Match the adjectives to their definitions

- 1 f
- 2 h
- 3 e
- 4 c
- 5 d
- 6 i
- 7 j
- 8 b
- 9 a
- 10 g

3 Complete the sentences

- 1 i
- 2 d
- 3 f
- 4 b
- 5 g
- 6 c
- 7 a
- 8 j
- 9 e
- 10 h

4 Fill in the gaps

- 1 oil
- 2 put on; switch on
- 3 mix
- 4 grip/keep
- 5 touch
- 6 check
- 7 wash
- 8 fasten

5 Make sentences

- 1 The aircraft was inspected and the crew found several problems.
- 2 The crew reported the problem and the tyre was replaced.
- 3 They consulted the manual before the equipment was tested.
- 4 The valve was blocked so the technicians cleaned it.
- 5 The aircraft was refueled before it took off.

6 Match the paragraphs to the section

- 1 c
- 2 f
- 3 d
- 4 b
- 5 a

1 Complete the instructions

- 1 close
- 2 check
- 3 correct
- 4 return
- 5 look for
- 6 deflate
- 7 fill
- 8 replace
- 9 turn
- 10 measure

2 Complete the table

gas	liquid	both
pneumatic	humidity	circulation
inflate	evaporate	diluted
ventilate	moist	saturated
compress		

3 Complete the sentences

- 1 over 90%
- 2 two to three minutes
- 3 50%; other half
- 4 18th
- 5 three times
- 6 10 degrees; 9.4 gm
- 7 more than 70
- 8 40 to plus 100

4 Fill in the gaps

- 1 moisture
- 2 heat
- 3 proportional
- 4 humidity
- 5 condensation
- 6 circulation
- 7 cooling
- 8 regulator
- 9 distribution
- 10 pressurised

5 Make questions

- 1 Where does the pressurised air come from?
- 2 Isn't the pressurised air very hot?
- 3 What happens to the pressurised air next?
- 4 What do the filters do?
- 5 How is the air circulated round the cabin?

6 True or false

- 1 False
- 2 True
- 3 True
- 4 True
- 5 True
- 6 False
- 7 True
- 8 False
- 9 True
- 10 False

1 Make two-word nouns

1 e

2 g

3 j

4 h

5 a

6 c

7 i

8 b

9 d

10 f

2 Complete the table

1 absorber

2 conductor

3 generator

4 holder

5 breaker

6 resistor

7 inverter

8 regulator

9 starter

10 tester

3 Complete the sentences1 mm²

2 volts

3 hertz

4 ohms

5 per month

6 watts

7 amp per hours

8 amp

9 milliseconds

10 degrees

4 Complete the statements

1 troubleshoot; circuit

2 core; insulated

3 formula; relationship

4 transforms; voltage

5 storage; reactions

5 Match the questions to the answers

1 d

2 c

3 a

4 e

5 b

6 Complete the text

electrical (13); connected (9); fuselage (4);
protect (12); static (10); resistance (3);
removed (5); corrode (6); copper (2);
connection (11); avoided (8)

1 Fill in the gaps

- 1 safety
- 2 operational
- 3 interference
- 4 electrical
- 5 maintenance
- 6 performance
- 7 avoidance
- 8 navigation
- 9 recorder
- 10 failure

2 Write in the correct order

- 1 To prevent overheating, you need to know what the temperature is.
- 2 By checking the altimeter, the pilot can see what the height of the plane is.
- 3 The crew didn't know where the fault was.
- 4 The weather report informs the pilot if there is bad weather.
- 5 Pilots need to know how weather conditions can affect the safety of the flight.
- 6 The fuel gauge tells the pilot how much fuel there is in the tanks.
- 7 Radar enables the pilot to check how near other aircraft are.
- 8 Air traffic control asked the pilot what his position was.
- 9 The pilot needs to know what the exact position of his aircraft is.
- 10 The maintenance crew found where the problem was.

3 Complete the sentences

- | | |
|------------------|------------------|
| 1 is transmitted | 6 do not have |
| 2 is written | 7 to be affected |
| 3 selects | 8 moves |
| 4 calculating | 9 are becoming |
| 5 to keep | 10 to repair |

4 Fill in the gaps

- | | |
|-----------|------------|
| 1 with | 6 by |
| 2 about | 7 in |
| 3 on | 8 of |
| 4 for | 9 by |
| 5 between | 10 between |

5 Complete the questions

- 1 flight; instruments
- 2 digital; analogue
- 3 electricity; meter
- 4 circuit; diagram
- 5 components; board

6 Add the missing words

- 1 electronics
- 2 troubleshoot
- 3 maintenance
- 4 technicians
- 5 interpret
- 6 install
- 7 replace
- 8 radio
- 9 components
- 10 fabricate

1 Choose the correct form

- 1 to see
- 2 to clean
- 3 forming
- 4 to force
- 5 to keep
- 6 repairing
- 7 touching
- 8 stripping
- 9 to check
- 10 to use

2 Put a tick (✓) or a cross (X)

- | | |
|-----|------|
| 1 ✓ | 6 X |
| 2 ✓ | 7 ✓ |
| 3 X | 8 X |
| 4 ✓ | 9 X |
| 5 X | 10 ✓ |

3 Complete the table

- 1 mm
- 2 220
- 3 lbs
- 4 0
- 5 amp
- 6 25–42
- 7 metres
- 8 16,000
- 9 seconds
- 10 0.015

4 Complete the sentences

- 1 pass through this hole
- 2 instead of deflating
- 3 because of bad weather
- 4 the wrong way up
- 5 damage to the wall
- 6 take out these plugs/take these plugs out
- 7 take off the cover/take the cover off
- 8 switch to the 'run' position
- 9 circuit in the selector
- 10 fill in the maintenance form/fill the maintenance form in

5 Complete the sentences

- 1 should
- 2 must
- 3 must not
- 4 should not
- 5 can
- 6 may
- 7 should
- 8 might
- 9 must
- 10 must

6 True or false

- | | |
|---------|---------|
| 1 True | 6 True |
| 2 True | 7 True |
| 3 False | 8 False |
| 4 True | 9 True |
| 5 False | 10 True |

1 Complete the sentences

- 1 to; of
- 2 with
- 3 on
- 4 to; of
- 5 of
- 6 from
- 7 across
- 8 on

2 Complete the table

- 1 extend
- 2 fitting
- 3 expand
- 4 replacement
- 5 adjustment
- 6 location
- 7 attachment
- 8 indicate
- 9 fastener
- 10 inspect

3 Complete the sentences

- 1 both
- 2 each other
- 3 other
- 4 both
- 5 other
- 6 each other
- 7 another
- 8 each other
- 9 both
- 10 another

4 Complete the sentences

- 1 supplies; compass
- 2 inverter; pole
- 3 electronic; flight
- 4 static; distance
- 5 measures; flows

5 Complete the table

- 1 cut
- 2 broke
- 3 found
- 4 put
- 5 taken
- 6 fly
- 7 blew
- 8 caught
- 9 kept
- 10 became

6 Add the missing words

flow chart (4); steps (7); path (10); follow (5);
results (9); perform (3); following (1);
system (8); remove (6); necessary (2)