

Heating and Boilers – A2

English for Plumbers | Elementary

Name: _____

Date: _____

Score: _____ / 56

Note: Exercise 8 (Listening) is completed using the interactive online lesson only.

Vocabulary

Word	Meaning	Example
boiler	a unit that heats water for radiators and taps in a building	"The boiler is in the kitchen cupboard."
radiator	a metal panel fixed to a wall that heats a room using hot water	"Bleed the radiator to remove the trapped air."
thermostat	a device that controls temperature by switching heating on and off	"Set the thermostat to twenty degrees."
pilot light	a small flame inside a boiler that lights the main burner	"The pilot light has gone out. Reset the boiler."
flue	a pipe that takes waste gases from the boiler outside the building	"Make sure the flue is not blocked."
pressure	the force of water inside the heating system, measured in bar	"The pressure is too low. Top up the system."
pump	a device that moves water around the heating system	"The pump is not working. The radiators are cold."
expansion tank	a small tank that absorbs extra pressure in the heating system	"Check the expansion tank in the loft."
bleed valve	a small valve on a radiator used to let out trapped air	"Open the bleed valve with a bleed key."
airing cupboard	a warm cupboard near the hot water tank used to dry clothes	"The hot water cylinder is in the airing cupboard."
immersion heater	an electric heating element inside a hot water cylinder	"Switch on the immersion heater if the boiler breaks down."
hot water cylinder	a large tank that stores hot water for the taps in a home	"The hot water cylinder holds one hundred and fifty litres."
timer	a device that controls when the heating switches on and off	"Set the timer for six in the morning."
flow	the pipe that carries hot water from the boiler to the radiators	"Hot water travels along the flow pipe to the radiators."
return	the pipe that carries cooled water back from the radiators to the boiler	"Cold water comes back through the return pipe."

Exercise 1 - True or False?

Read each sentence. Write True or False on the line.

1. A radiator heats a room using hot water from the boiler. _____
2. A pilot light is used to measure pressure in the heating system. _____
3. A bleed valve is used to let trapped air out of a radiator. _____
4. The flue takes waste gases from the boiler outside the building. _____
5. The return pipe carries hot water from the boiler to the radiators. _____
6. A thermostat controls temperature by switching heating on and off. _____
7. An immersion heater uses gas to heat water. _____
8. The expansion tank absorbs extra pressure in the heating system. _____

Exercise 2 - Multiple Choice

Circle the correct word.

1. The ____ has gone out. The boiler will not start.
thermostat / pump / pilot light / timer
2. Bleed the ____ to remove the trapped air and make it hot again.
radiator / flue / expansion tank / boiler
3. The ____ shows one bar. You need to top up the system with water.
timer / pressure / return / flow
4. Set the ____ to come on at six in the morning and off at nine.
bleed valve / airing cupboard / timer / flue
5. Open the ____ with a bleed key and hold a cloth underneath.
bleed valve / boiler / pump / thermostat
6. The ____ is not running. The water is not moving around the system.
pump / pilot light / return / timer
7. Make sure the ____ outside is clear. Blocked gases are dangerous.
hot water cylinder / radiator / expansion tank / flue
8. If the boiler breaks down, switch on the ____ to heat the water.
return / immersion heater / flow / thermostat

Exercise 3 - Matching

Match each word (1-8) with the correct description (A-H).

- | | |
|---------------------|---|
| 1. boiler ____ | A. An external pipe that safely removes waste gases produced by the boiler |
| 2. thermostat ____ | B. The pipe that carries heated water from the boiler towards the radiators |
| 3. bleed valve ____ | C. The pipe that brings cooled water back from the radiators to be reheated |
| 4. flue ____ | D. A small permanent flame used to ignite the main burner in a boiler |
| 5. pump ____ | E. A small valve on a radiator opened to release air that stops hot water circulating |

6. pilot light ____

F. The main unit in a heating system that burns fuel to heat water

7. flow ____

G. A control device that starts or stops the heating when temperature changes

8. return ____

H. A mechanical device that pushes water around the heating circuit

Exercise 4 - Gap Fill

Write the correct word in each gap. The word is given in brackets.

1. The _____ on the wall is set to eighteen degrees. Turn it up. (thermostat)
2. Check the _____ outside. It must not be blocked by anything. (flue)
3. The _____ in the system is too low. Add water at the filling loop. (pressure)
4. Use a bleed key to open the _____ on the top of the radiator. (bleed valve)
5. The _____ is not working. Water is not moving around the system. (pump)
6. The _____ has gone out. Try pressing the reset button on the boiler. (pilot light)
7. Set the _____ so the heating comes on at seven in the morning. (timer)
8. Hot water travels along the _____ pipe to the radiators. (flow)

Exercise 5 - Word Order

Put the words in the correct order to make a sentence.

1. the / radiator / air / to / remove / Bleed / the

2. thermostat / the / twenty / degrees / to / Set

3. The / pilot / gone / has / light / out

4. Check / the / flue / the / outside

5. is / too / The / pressure / low

6. Open / with / valve / a / key / bleed / the

7. working / pump / The / is / not

8. the / heater / on / immersion / Switch

Exercise 6 - Word Sort

Write each word in the correct column.

Words: hot water cylinder | pump | thermostat | radiator | bleed valve | immersion heater | boiler | pilot light

Boiler and Hot Water	Heating System
_____	_____
_____	_____
_____	_____
_____	_____

Exercise 7 - Complete the Conversation

Choose the correct word to complete each gap in the conversation.

Client: The _____ is not working and we have no hot water.

(boiler / flue / timer / radiator)

Plumber: Let me check the _____ first. Sometimes it just needs to be reset.

(pilot light / thermostat / return / pump)

Client: OK. And the _____ in the living room is cold at the top.

(expansion tank / radiator / hot water cylinder / timer)

Plumber: That means there is air in it. I will open the _____ and let the air out.

(flue / pressure / bleed valve / flow)

Client: Is it also possible to check the _____? I think it might be too low.

(airing cupboard / pump / timer / pressure)

Plumber: Yes, one bar is too low. I will top up the system. Also, is the _____ set correctly?

(thermostat / flow / return / flue)

Client: I am not sure. Can you set the _____ to come on at seven in the morning?

(bleed valve / radiator / boiler / timer)

Plumber: Of course. I will sort everything before I leave.

TEACHER ANSWER KEY — DO NOT DISTRIBUTE TO STUDENTS

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Teacher Answer Key

Note: Exercise 8 (Listening) is online only and not included in this PDF.

Exercise 1

1. True
2. False
3. True
4. True
5. False
6. True
7. False
8. True

Exercise 2

1. pilot light
2. radiator
3. pressure
4. timer
5. bleed valve
6. pump
7. flue
8. immersion heater

Exercise 3

1. boiler -> F
2. thermostat -> G
3. bleed valve -> E
4. flue -> A
5. pump -> H
6. pilot light -> D
7. flow -> B
8. return -> C

Exercise 4

1. thermostat
2. flue
3. pressure
4. bleed valve

- 5. pump
- 6. pilot light
- 7. timer
- 8. flow

Exercise 5

- 1. Bleed the radiator to remove the air
- 2. Set the thermostat to twenty degrees
- 3. The pilot light has gone out
- 4. Check the flue outside
- 5. The pressure is too low
- 6. Open the bleed valve with a key
- 7. The pump is not working
- 8. Switch on the immersion heater

Exercise 6

Boiler and Hot Water: boiler, pilot light, hot water cylinder, immersion heater
Heating System: radiator, bleed valve, pump, thermostat

Exercise 7

Client: boiler
Plumber: pilot light
Client: radiator
Plumber: bleed valve
Client: pressure
Plumber: thermostat
Client: timer