COMPUTER COMPONENTS WORKSHEET

Name: _____

Class: _____

Date: _____

Topic: Computer Hardware – PC Components

Part 1: Match the components with their functions

Write the correct letter next to each component.

Component	Answer
1. CPU	_____
2. RAM	_____
3. Motherboard	_____
4. Hard Drive / SSD	_____
5. GPU	_____
6. Power Supply (PSU)	_____
7. Cooling Fan	_____
8. Computer Case	_____

Functions:

A. Stores files and programs permanently.

B. Supplies electricity to the computer.

C. Processes instructions and performs calculations.

D. Connects all the computer components together.

E. Keeps the computer cool and prevents overheating.

F. Provides temporary memory while programs are running.

G. Displays graphics, images and videos.

H. Protects and holds the internal components.

LIVEWORKSHEETS

Part 2: Fill in the blanks

Use the words from the box to complete the sentences.

Words: CPU – RAM – GPU – SSD – Motherboard – PSU

1. The _____ is known as the brain of the computer.

2. The _____ stores data temporarily while the computer is running.

3. The _____ is responsible for processing graphics.

4. The _____ stores files, games and applications.

5. The _____ connects all the components of a computer.

6. The _____ provides power to all the computer components.

Part 3: True or False

Write True or False.

1. The CPU is responsible for processing instructions. _____

2. RAM stores information permanently. _____

3. The motherboard connects different components. _____

4. An SSD is usually faster than a traditional HDD. _____

5. The GPU is used to process graphics. _____

6. A computer can work without a power supply. _____

7. Cooling fans help prevent overheating. _____

8. The computer case protects internal components. _____

Part 4: Short-answer questions

Answer the following questions using complete sentences.

1. What is the main function of the CPU?

2. What is the difference between RAM and storage?

LIVEWORKSHEETS

3. Why is the motherboard important?

4. What is the difference between an HDD and an SSD?

5. Why does a computer need a cooling system?

Part 5: Identify the component

Write the name of the correct PC component.

1. It is often called the brain of the computer.

Answer: _____

2. It stores your documents, photos and games.

Answer: _____

3. It connects the CPU, RAM and other components.

Answer: _____

4. It helps your computer run games and display graphics.

Answer: _____

5. It supplies electricity to the computer.

Answer: _____

Part 6: Creative activity

Imagine you are building your own desktop computer.

Write down five components you would need and explain why each one is important.

Component	Why is it important?
1.	
2.	
3.	
4.	
5.	

Bonus Question ⋆

LIVEWORKSHEETS

What do you think would happen if a computer did not have RAM?

Good luck!

I can also prepare an answer key for the teacher separately, so the worksheet can be given to students without the answers.

LIVEWORKSHEETS