ANSWER KEY

Answer Key: Day 2

Every page for this day is keyed. Nothing is left as "answers will vary."

Bell Ringer: Is the box the CPU?

Look for

- Question 1: a guess, yes or no, with a reason. It's a prediction, because the slides teach the CPU later today.
- Question 2: names a real part inside, like the CPU, memory, a drive, the motherboard or the power supply.

Model response

I don't think Ethan is right, because the CPU is one chip inside the box, not the whole box. I think the box also holds the memory.

Also accept: For question 1, any guess, yes or no, with a reason. For question 2, any real part inside the box.

Do not accept: Question 1 with no reason. Question 2 naming a device outside the box, like the monitor.

When to give the point: Give 1 point for each question: a guess with a reason, and a real part inside the box. Question 1 is a prediction, so a yes with a reason also earns the point.

Guided Notes: Day 2

Blanks are shown filled in, in order.

The main parts

The **motherboard** is the main circuit board. Every part plugs into it, and it carries information between them.

The **CPU**, or central processing unit, follows a program's instructions. It does the processing.

Memory, also called RAM, holds what the computer is using right now.

A **storage drive** keeps programs and files saved, even when the power is off.

The **power supply** changes power from the wall into the power the other parts need.

Connecting devices

A **port** is a socket where you plug in a cable, like a USB or HDMI port.

The keyboard, the mouse and the monitor plug into ports, so information can go in and out.

Our startup model

First, the power supply sends power to the motherboard. Then the CPU starts, and it uses memory to work.

Then the computer loads its programs from the storage drive. In our model, if a part is missing, the computer stops at that step.

Real computers check their parts in their own ways. The model shows how the parts depend on each other.

Exit Ticket

1. Correct: (A) The memory step

The CPU light is on, so the next step, memory, is where it stopped.

2. Correct: (B) Hold what the computer is using right now

Memory holds what's in use now. The storage drive keeps saved files.

Item 3: written answer

Look for

- It stops at the memory step, so it never reaches the storage step.

Model response

It stops at the memory step, so it never gets to the storage step.

Also accept: Any answer that says it stops before the storage step.

Do not accept: Saying the storage drive is broken.

Points: give 1 point for each line under Look for, 1 in all.