Name:	Date: Section:
Electron Jumper Activity	
Ellie the Electron's Amazing Journey!	
Phase 1: ENGAGE (2 minutes)	
Getting Started: Open peebedu.com and navigate to Electron Jum	nper
Meet Ellie - she's an electron with an important job!	
The Mystery: How do plants turn sunlight into food? Today YOU	are Ellie the Electron!

Quick Think: Where do plants get energy? \_\_\_\_\_

# Phase 2: EXPLORE (8 minutes)

## Phase 3: EXPLAIN (6 minutes)

### Connect the Pieces

Ellie's Path: Draw arrows to show her journey:

 $\mathrm{Water} \to \_\_\_\_ \to \_\_\_\_ \to \mathrm{Sugar}$ 

### **Energy Pattern:**

 $\bullet\,$  Photons make energy go: UP / DOWN

 $\bullet\,$  Ellie needs photons: ONCE / TWICE

The Big Discovery: When water splits, it releases \_\_\_\_\_ that we breathe!

# Phase 4: ELABORATE (3 minutes)

Without photosynthesis, Earth would have no:

## Phase 5: EVALUATE (1 minute)

# Quick Check Fill in the blanks: Sunlight → Splits \_\_\_\_\_ → Makes \_\_\_\_ gas → Energy makes \_\_\_\_\_ Exit Question: Your friend asks: 'Where does oxygen come from?' Your answer: \_\_\_\_\_ • -

Cool Fact: Every breath you take comes from Ellie's journey in plants!

### Key Vocabulary

See activity for vocabulary specific to this topic.