

Pre-Listening Activity: Prior Knowledge Activation

Discussion Prompts

- Have you or anyone in your family ever taken antibiotics? What were they for?
- What do you think antibiotics do in your body?
- Where do you think medicine comes from? How is it discovered?
- What do you know about bacteria? Are all bacteria harmful?

Quick Write (3 minutes)

Before listening, write down everything you know about:

- Bacteria
- How medicines are discovered
- What makes humans different from bacteria

During-Listening: Graphic Organizer

Fleming's Discovery Timeline

What Happened?	When?	Why Was It Important?
Fleming returned from vacation		
Noticed mold on petri dish		
Observed bacteria dying near mold		
Penicillin mass-produced		

Listening for Curriculum Connections

Technology in Science (B1.1): What technologies helped Fleming make his discovery and share it with the world?

Unicellular vs. Multicellular (B2.5): Complete this comparison chart while listening:

	Bacteria (Unicellular)	Humans (Multicellular)
Number of cells		
How cells work		
Cell specialization		
Example mentioned		

Organization of Cells (B2.6): What levels of organization did the podcast mention?

Cells → _____ → _____ → _____

Key Vocabulary Tracker

Listen for these words and write what you think they mean based on context:

- **Bacteria:** _____
- **Petri dish:** _____
- **Penicillin:** _____
- **Microscope:** _____
- **Fermentation:** _____
- **Unicellular:** _____
- **Multicellular:** _____