

UPGRADE to the Bundle

Crash Course BIOLOGY (2012 SERIES) 40 Episode Series Bundle

- ✓ Classroom Ready - Just Print and Go!
- ✓ Active Engagement - Keep Students' Attention
- ✓ Direct Video Link Included

WATCH VIDEO

ALL 40 Episodes with Answer
Keys and Direct Video Link

CLICK HERE

Crash Course Biology (2012) #4: Animal Cells - Eukaryopolis

Name: _____ Date: _____

You can access the video here → <https://youtu.be/qj4dTHGjBY?si=y0kaVFH8GFNsooLF>

1. Animals are made of eukaryotic cells with a true _____ that houses DNA.
2. The flexible boundary that controls traffic into and out of the cell is the _____ which shows selective permeability.
3. Unlike animals, plant cells have a rigid _____ made of cellulose.
4. Cilia and flagella are constructed from _____ arranged in a "9+2" pattern.
5. The "nine plus two" microtubule arrangement occurs in _____ and flagella.
6. The cell's watery, nutrient-rich interior medium is the _____.
7. A network of protein strands that reinforces cell shape is the _____.
8. Structures that assemble microtubules for support are the _____.
9. The rough ER is studded with _____ that assemble polypeptides.
10. The smooth ER synthesizes _____ (e.g., phospholipids and steroids), detoxifies, and stores ions.
11. The Golgi _____ modifies, sorts, and packages proteins into vesicles.
12. Cellular recycling centers filled with hydrolytic enzymes are the _____.
13. Inside the nucleus, DNA is stored as _____, which condenses during division.
14. The _____ inside the nucleus makes rRNA and builds ribosomal subunits.
15. Cellular "power plants" that generate ATP by respiration are the _____.

Crash Course Biology (2012) #4: Animal Cells - Eukaryopolis - KEY

1. Animals are made of eukaryotic cells with a true **nucleus** that houses DNA.
2. The flexible boundary that controls traffic into and out of the cell is the **cell membrane**, which shows selective permeability.
3. Unlike animals, plant cells have a rigid **cell wall** made of cellulose.
4. Cilia and flagella are constructed from **microtubules** arranged in a "9+2" pattern.
5. The "nine plus two" microtubule arrangement occurs in **cilia and flagella**.
6. The cell's watery, nutrient-rich interior medium is the **cytoplasm**.
7. A network of protein strands that reinforces cell shape is the **cytoskeleton**.
8. Structures that assemble microtubules for support are the **centrosomes**.
9. The rough ER is studded with **ribosomes** that assemble polypeptides.
10. The smooth ER synthesizes **lipids** (e.g., phospholipids and steroids), detoxifies, and stores ions.
11. The Golgi **apparatus** modifies, sorts, and packages proteins into vesicles.
12. Cellular recycling centers filled with hydrolytic enzymes are the **lysosomes**.
13. Inside the nucleus, DNA is stored as **chromatin**, which condenses during division.
14. The **nucleolus** inside the nucleus makes rRNA and builds ribosomal subunits.
15. Cellular "power plants" that generate ATP by respiration are the **mitochondria**.

15 Questions

Answer Key Included

Save 85% per worksheet!

Buyer Comments From My Video

Worksheet Bundles

★★★★★ Extremely satisfied "I like the versatility of this. For my more independent students, they can do this for extra credit or sub work. For my classes who need more help, we watch as a class and pause and discuss along the way. Great to help with vocabulary due to videos, and writing."

★★★★★ Extremely satisfied "This is a great resource to challenge my students as well as provide an outline for them as they go. It acts as guided notes to check their understanding and help guide them through the videos."

Buyer Comments From My Video Worksheet Bundles

★★★★★ **Extremely satisfied** "I like the versatility of this. For my more independent students, they can do this for extra credit or sub work. For my classes who need more help, we watch as a class and pause and discuss along the way. Great to help with vocabulary due to videos, and writing."

★★★★★ **Extremely satisfied** "This is a great resource to challenge my students as well as provide an outline for them as they go. It acts as guided notes to check their understanding and help guide them through the videos."

★★★★★ **Extremely satisfied** "This is perfect for my students who have missed class and need a quick review. I also love these for sub days."

★★★★★ **Extremely satisfied** "This bundle will be a great investment for extending learning and challenging my 7th grade classes!"

★★★★★ **Extremely satisfied** "User friendly. Students were engaged and liked the activity."

★★★★★ **Extremely satisfied** "This works great! They can listen on their own with a link in google or as a whole class for kids that need more help with focusing."

★★★★★ **Extremely satisfied** "This is a great lifesaver for easy sub plans and quick reviews."

★★★★★ **Extremely satisfied** "Thank you these are great at building background knowledge and helping my special needs students keep up with their regular."