

# 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

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### Crash Course Biology (2012) #9: Heredity

Name: \_\_\_\_\_ Date: \_\_\_\_\_

You can access the video here → <https://youtu.be/CB8eq1fUEA3i-R-3X1QDJ8mGKwSNr>

- \_\_\_\_\_ is the passing of genetic traits from parents to offspring.
- Human cells have 23 pairs of \_\_\_\_\_ that carry our DNA.
- A \_\_\_\_\_ is a section of DNA at a specific chromosome location that determines a trait.
- Traits influenced by many genes are called \_\_\_\_\_ traits.
- A single gene affecting multiple traits exemplifies a \_\_\_\_\_ gene.
- A single-gene trait (like pea flower color) is a \_\_\_\_\_ trait.
- The earwax-consistency gene discussed is located on chromosome \_\_\_\_\_.
- If the critical amino acid at that gene's slot is \_\_\_\_\_, earwax is wet (arginine → dry).
- Non-sex (somatic) cells are \_\_\_\_\_—they contain two sets of chromosomes.
- Sex cells (gametes) are \_\_\_\_\_ and carry one set of chromosomes.
- An allele that masks another's expression is \_\_\_\_\_; the masked allele is recessive.
- Having two different alleles (W and w) makes the genotype \_\_\_\_\_.
- Two identical alleles (e.g., w w) make the genotype \_\_\_\_\_.
- A \_\_\_\_\_ Square diagrams the outcomes of specific cross-breeding experiments.
- In sex-linked inheritance, males have one X and one \_\_\_\_\_ chromosome.

### Crash Course Biology (2012) #9: Heredity - KEY

- Heredity** is the passing of genetic traits from parents to offspring.
- Human cells have 23 pairs of **chromosomes** that carry our DNA.
- A **gene** is a section of DNA at a specific chromosome location that determines a trait.
- Traits influenced by many genes are called **polygenic** traits.
- A single gene affecting multiple traits exemplifies a **pleiotropic** gene.
- A single-gene trait (like pea flower color) is a **Mendelian** trait.
- The earwax-consistency gene discussed is located on chromosome **16**.
- If the critical amino acid at that gene's slot is **glycine**, earwax is wet (arginine → dry).
- Non-sex (somatic) cells are **diploid**—they contain two sets of chromosomes.
- Sex cells (gametes) are **haploid** and carry one set of chromosomes.
- An allele that masks another's expression is **dominant**; the masked allele is recessive.
- Having two different alleles (W and w) makes the genotype **heterozygous**.
- Two identical alleles (e.g., w w) make the genotype **homozygous**.
- A **Punnett Square** diagrams the outcomes of specific cross-breeding experiments.
- In sex-linked inheritance, males have one X and one Y chromosome.

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."

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★★★★★ **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."