

Genetics

Worksheets, Video Guides and Quizzes for

"Greatest Discoveries

With Bill Nye" *

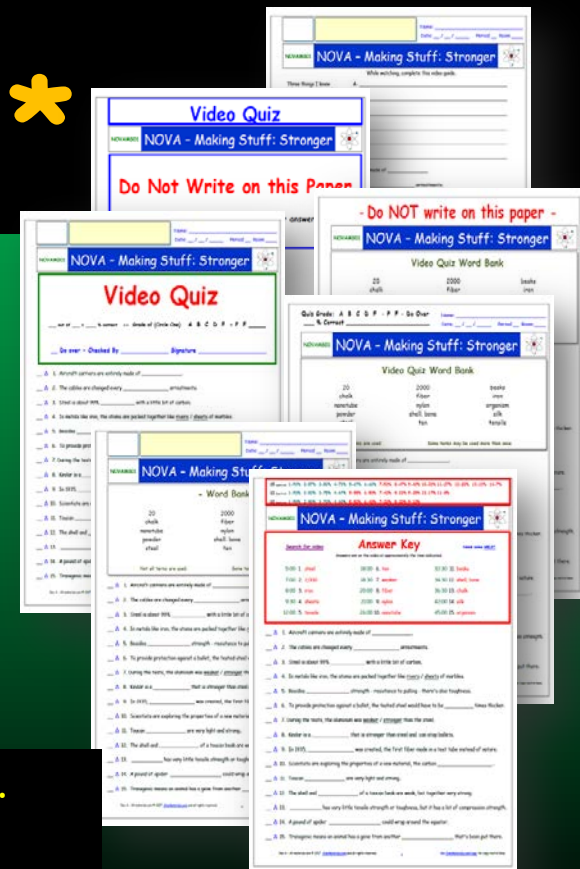
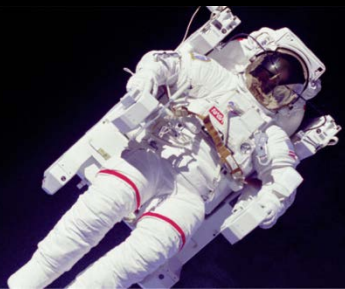
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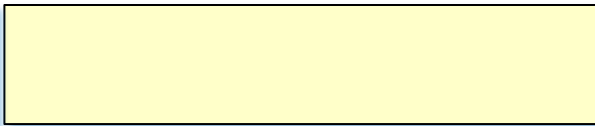
Video Guides, Quizzes
and Answer Sheet



NOTE: Download is subject to terms and conditions listed [here](#).

* Names used for reference only — not affiliated.





Name: _____

Date: ____ / ____ / ____ Period ____ Room ____

BNGD*
06

Genetics



While watching, complete this video guide.

Three things I knew
that were confirmed in
the video:

A- _____

B- _____

C- _____

Three things I didn't know
but I now know because I
watched the video.

A- _____

B- _____

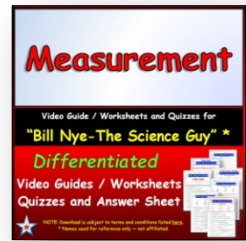
C- _____

- ___ Δ 1. Gregor Mendel cross-bred different strands of _____, then observed the characteristics of their offspring.
- ___ Δ 2. Willhelm Johannsen coined the term _____ to describe Mendel's factors.
- ___ Δ 3. Morgan chose fruit _____ for his experiments because they reproduce quickly, and one female can have several hundred offspring.
- ___ Δ 4. Morgan was the first scientist to win the Nobel Prize in the field of medicine / genetics .
- ___ Δ 5. Beadle and Tatum's breakthrough is known as the one gene, one enzyme / protein hypothesis.
- ___ Δ 6. Barbara McClintock researched the genetics of _____ .
- ___ Δ 7. A bacteriophage is a virus that infects a _____ .
- ___ Δ 8. Scientists used x-ray crystallography to study the internal structure of _____ .
- ___ Δ 9. Watson and Crick revealed a DNA model shaped like a double _____ .
- ___ Δ 10. _____ RNA enters a cell's protein factory and gives the messages for making new protein.
- ___ Δ 11. Nirenburg and Matthaei uncovered the _____ for how the DNA structure worked.
- ___ Δ 12. The ability to manipulate DNA is one of the basic tools in _____ engineering.
- ___ Δ 13. Alternative splicing means some genes are able to code for more than one _____ .
- ___ Δ 14. The sequencing of our complete genetic blueprint is the transposer / genome .
- ___ Δ 15. All _____ share most genes in the same order.

Video Guide / Worksheet / Quiz



Click [HERE](#) for a FREE SAMPLE of the Video Guides, Worksheets and Quizzes.



Word Bank Version

Easily Differentiated.
The Questions are Identical.

Fill in the Blank Version

Video Guide 15 questions with the same "Look and Feel"- fill in the blank or forced decision so that students can keep up with the video.

- Word Bank for suggested answers.
- Students can fill them out before viewing and then correct the information while watching the video.
- Next to the question numbers there are triangles (Δ) that teachers may fill in indicating which questions are to be answered. This accommodation will limit the requirements for younger or special needs students.

Reusable Quiz Print this on colored paper to reuse each year Next to the question numbers there are triangles (Δ) that teachers can choose indicating which questions are to be answered.

- Use as many questions as you wish 10, 12, 15.
- Ideal for 'clicker' response systems.
- Every quiz has the same "Look and Feel"
- Free Quiz answer sheet at: <http://www.StarMaterials.com/Documents/>

Individual Quiz Next to the question numbers, there are triangles (Δ) that teachers can use indicating which questions are to be answered.

- When marking, have checkers put a "C" for correct and "X" for wrong in blanks next to the triangles (Δ) then count the "C"s for grade.
- Different classes can take different quizzes.
- Repeat or do-over quizzes can have different questions.
- Every quiz has the same "Look and Feel"
- Have students use ID Numbers only. Have them cross correct before returning the quiz to owner for names.

Answer Key The answer box lists suggested answers.

- Next to the answers are the times the material was presented in the video.
- Correct answer percentages are shown in the included table for a 10, 12, or 15 question quiz.
- Print the answer key on colored paper to find it quickly.
- A handy grading percentage key is provided at the top for easy grading.

Free Quiz Answer Sheet

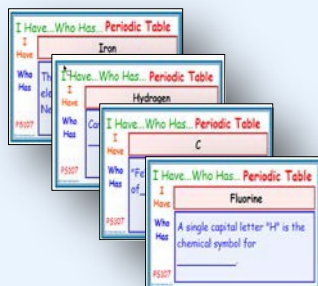


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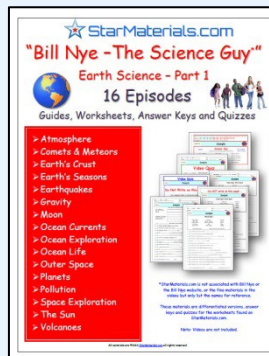
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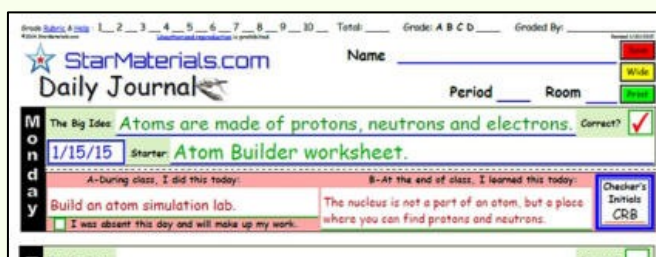
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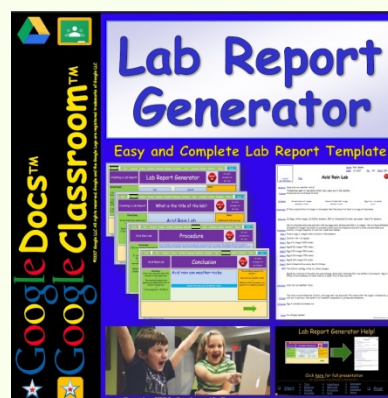
"Bill Nye - The Science Guy", "Magic School Bus",
"The Eyes of Nye", "Liberty's Kids" and more.

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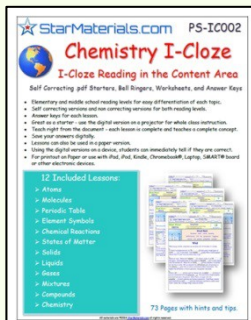


Writing in the Content Area (.pdf)
Interactive journal worksheets.



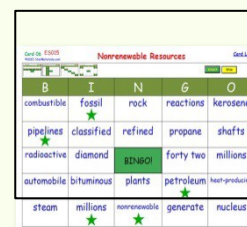
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Step through to a one page printout.

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