

How to use the Biology Quiz Builder

Free edition · 143 questions · Genetics & Heredity and Cell Energy

1 Open it

There is nothing to install and no account to create.

Double-click `Quiz_Builder_FREE.html` . It opens in your web browser like a web page, except it is on your computer. Once it is downloaded it works with no internet connection at all.

You will see two halves: the questions on the left, and the test you are building on the right.

The screenshot shows the 'Quiz Builder' interface. At the top, it says 'Quiz Builder' and '143 questions · Cell Energy, Genetics & Heredity, Graph & Diagram Interpretation'. There are buttons for 'Clear', 'Print / Save PDF', and a status bar indicating 'Free edition — Genetics & Heredity and Cell Energy, 143 questions, yours to keep. All 17 units...'. Below this is a search bar and several filters: 'All units', 'Both levels', 'All types', and 'All topics'. A button 'Add all 143' is next to the filters. The main list of questions on the left includes:

- ☐ ATP is best described as the cell's (multiple choice) (MS) ATP & Energy 2 pts CEN-MC-01
- ☐ Energy is released from ATP when (multiple choice) (MS) ATP & Energy 2 pts CEN-MC-02
- ☐ Organisms that make their own food are called (multiple choice) (MS) ATP & Energy 2 pts CEN-MC-03
- ☐ ATP is used rather than glucose as the immediate energy source because ATP (multiple choice) (MS) ATP & Energy 2 pts CEN-MC-04
- ☐ A cell holds only a small quantity of ATP at any moment because ATP is (multiple choice) (MS) ATP & Energy 2 pts CEN-MC-05
- ☐ The raw materials for photosynthesis are (multiple choice) (MS) Photosynthesis 2 pts CEN-MC-06
- ☐ The products of photosynthesis are (multiple choice) (MS) Photosynthesis 2 pts CEN-MC-07
- ☐ Photosynthesis takes place in the (multiple choice) (MS) Photosynthesis 2 pts CEN-MC-08
- ☐ The green pigment that absorbs light energy is (multiple choice) (MS) Photosynthesis 2 pts CEN-MC-09

On the right, there is a large empty area with the text 'Check questions on the left and they appear here.'

Questions on the left, your test on the right.

On a Chromebook or a locked-down school computer? Some districts stop Chromebooks opening files from the Downloads folder. Upload `Quiz_Builder_FREE.html` to your own Google Drive and open it from there — that fixes it, costs nothing, and keeps everything on your account.

2

Narrow down to what you are testing

Two units, both levels, 143 questions.

Use the boxes along the top of the left pane:

- **Unit** — the topic you have been teaching.
- **Level** — middle school, high school, or both. Every unit has questions written separately for each.
- **Type** — multiple choice, matching, or written response.
- **Topic** — narrows further within the unit.
- **Search** — searches question text, answer options, matching terms and definitions.

The screenshot shows a filter interface with three dropdown menus: 'Middle school', 'Multiple choice', and 'All topics'. To the right of these is a button labeled 'Add all 17' and a status indicator '17 match · 0 selected'. Below the filters, a list of questions is displayed, each with a checkbox, a question text, a 'multiple choice' tag, an 'MS' level tag, and a title 'Genetics Vocabulary 2 pts GEN-MC-01', 'GEN-MC-02', and 'GEN-MC-03' respectively.

Middle school ▾ Multiple choice ▾ All topics ▾ Add all 17 17 match · 0 selected

☐ Different versions of the same gene are called
multiple choice MS Genetics Vocabulary 2 pts GEN-MC-01

☐ An organism with two identical alleles for a trait is
multiple choice MS Genetics Vocabulary 2 pts GEN-MC-02

☐ The physical appearance of a trait is the organism's
multiple choice MS Genetics Vocabulary 2 pts GEN-MC-03

☐ A recessive allele is only expressed when

Genetics & Heredity · Middle school · Multiple choice.

Only the first 120 questions show at once. That keeps the page quick. If you see a note saying there are more, narrow it down or search. **Add all shown** adds every question matching your filters — not only the ones on screen.

3

Check the questions you want

The test builds itself on the right as you go.

Click a question to add it. Click again to remove it. Points are totaled for you and questions are numbered automatically, so you can add and remove freely without renumbering anything.

Quiz Builder
143 questions - Cell Energy, Genetics & Heredity, Graph & Diagram Interpretation

Clear Print / Save PDF Free edition — Genetics & Heredity and Cell Energy, 143 questions, yours to keep. All 17 units...

Search questions... Genetics & Heredity
Middle school Multiple choice All topics Add all 17 17 match · 6 selected

Selected Questions:

- ☒ Different versions of the same gene are called (multiple choice) MS Genetics Vocabulary 2 pts GEN-MC-01
- ☒ An organism with two identical alleles for a trait is (multiple choice) MS Genetics Vocabulary 2 pts GEN-MC-02
- ☒ The physical appearance of a trait is the organism's (multiple choice) MS Genetics Vocabulary 2 pts GEN-MC-03
- ☒ A recessive allele is only expressed when (multiple choice) MS Genetics Vocabulary 2 pts GEN-MC-04
- ☒ The genotype Bb is described as (multiple choice) MS Genetics Vocabulary 2 pts GEN-MC-05
- ☒ Sex cells are also called (multiple choice) MS Genetics Vocabulary 2 pts GEN-MC-06
- ☐ In a cross between two heterozygous parents (Bb x Bb), the ratio of phenotypes expected is (multiple choice) MS Punnett Squares & Crosses 2 pts GEN-MC-09
- ☐ The genotype ratio from Bb x Bb is (multiple choice) MS Punnett Squares & Crosses 2 pts GEN-MC-10
- ☐ A cross between BB and bb produces offspring that are all (multiple choice) MS Punnett Squares & Crosses 2 pts GEN-MC-11
- ☐ A cross between Bb and bb gives what proportion showing the recessive trait? (multiple choice) MS Punnett Squares & Crosses 2 pts GEN-MC-12

Genetics Unit Quiz
Genetics & Heredity Period 3
Name: _____ Date: _____ Score: ____ / 12
Copy link 6 questions · 12 points

PART A - Multiple Choice ____ / 12 pts

Circle the letter of the BEST answer. (2 points each)

- Different versions of the same gene are called
 - A. alleles
 - B. chromosomes carrying them
 - C. codons within the sequence
 - D. genotypes of the organism
- An organism with two identical alleles for a trait is
 - A. heterozygous for that trait
 - B. recessive in its expression
 - C. a hybrid of the two forms
 - D. homozygous
- The physical appearance of a trait is the organism's
 - A. genotype written in its DNA
 - B. set of inherited alleles
 - C. phenotype
 - D. gametes used in reproduction
- A recessive allele is only expressed when
 - A. only one copy of it is present
 - B. two copies of it are present
 - C. it happens to be the dominant one
 - D. the organism carrying it is male
- The genotype Bb is described as
 - A. heterozygous
 - B. homozygous dominant for that trait
 - C. homozygous recessive for that trait
 - D. not a possible combination
- Sex cells are also called
 - A. somatic cells of the body
 - B. clones of the parent cell
 - C. zygotes formed at fertilization
 - D. gametes

Genetics Unit Quiz — Sweetzer Science

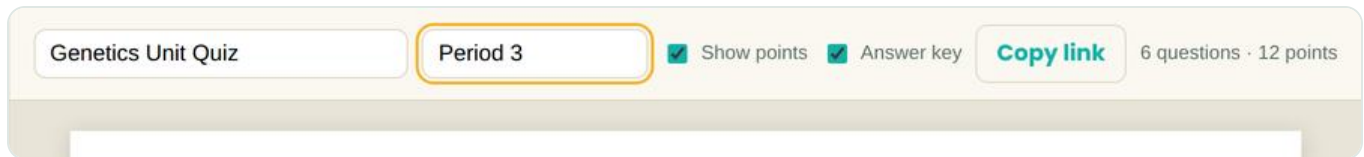
Answer Key — Genetics Unit Quiz

Six checked on the left; the test on the right updates instantly.

Sections sort themselves: multiple choice first, then matching, then written response — whatever order you check them in.

4

Add a title and choose your options

A screenshot of a quiz creation interface. At the top, there are two input fields: 'Genetics Unit Quiz' and 'Period 3'. To the right of these fields are two checked checkboxes labeled 'Show points' and 'Answer key'. Further right is a 'Copy link' button. On the far right, it says '6 questions · 12 points'. The 'Period 3' field is highlighted with a yellow border.

Along the top of the right-hand pane.

- **Title and class** — printed at the top of the student page.
- **Show points** — prints the points for each question and section.
- **Answer key** — adds the key on its own page at the end, after the student pages. Uncheck it for a clean student copy.

Written questions come with a model answer and a point breakdown on the key — enough that a substitute can grade them.

Press **Print / Save PDF**.

That opens your browser's normal print window. Choose your printer, or pick **Save as PDF** as the destination to keep a copy or send it to students digitally.

Genetics Unit Quiz
Period 3
☒ Show points
☒ Answer key
Copy link
6 questions · 12 points

Genetics Unit Quiz

Genetics & Heredity Period 3

Name: _____ Date: _____ Score: ____ / 12

PART A · Multiple Choice
___ / 12 pts

Circle the letter of the BEST answer. (2 points each)

- Different versions of the same gene are called

A. alleles	B. chromosomes carrying them
C. codons within the sequence	D. genotypes of the organism
- An organism with two identical alleles for a trait is

A. heterozygous for that trait	B. recessive in its expression
C. a hybrid of the two forms	D. homozygous
- The physical appearance of a trait is the organism's

A. genotype written in its DNA	B. set of inherited alleles
C. phenotype	D. gametes used in reproduction
- A recessive allele is only expressed when

A. only one copy of it is present	B. two copies of it are present
C. it happens to be the dominant one	D. the organism carrying it is male
- The genotype Bb is described as

A. heterozygous	B. homozygous dominant for that trait
C. homozygous recessive for that trait	D. not a possible combination
- Sex cells are also called

What prints is exactly what you see on the right.

If the print looks wrong: in the print window, make sure **Background graphics** is switched on, scale is **100%** (not "fit to page"), and paper size is **Letter**. Turning off "Headers and footers" removes the browser's own date and URL from the corners.

6

Save, reopen and share a quiz

Your quiz lives in the address bar.

Every question you check is stored in the page's own web address. Refresh the page, close the tab, or restart the computer — reopen the same link and your test comes back exactly as it was.

Press **Copy link** to put that address on your clipboard. Then:

- **Bookmark it** to keep this year's midterm for next year.
- **Email it to a co-teacher** so they get the same test.
- **Paste it in your planner** next to the lesson it belongs to.

A link only works in the same edition. A link made in this free edition will not open in the full version, and the other way round — they hold different questions, so the same link would build a different test. If that happens the Quiz Builder tells you instead of quietly building the wrong thing.

Ideas that save the most time

Want the other fifteen units? The full edition has 1,200 questions across all 17 units, plus twelve original figures. Search for **Sweitzer Science** on TPT, or follow the link in the yellow bar at the top of the Quiz Builder.

Two versions of one test

Build test A, press Copy link and save it. Clear, check different questions from the same unit, and you have test B. Nobody copies.

Both preps in one sitting

Build the middle school version, save the link, switch the level filter to high school and build that one.

Bell ringers

Three questions, no title, answer key off. Ten seconds.

Sub plans

A matching section and ten multiple choice, answer key on. A substitute can grade it without knowing the biology.

Make-up tests

A student absent on test day gets a genuinely different paper, not the one their friends have already seen.

Review before state testing

Leave the unit filter on "all units" and search a keyword to pull related questions from across the year.

If something goes wrong

The file will not open, or opens as code

Right-click it, choose **Open with**, and pick a browser — Chrome, Edge, Safari or Firefox. If your computer opened it in a text editor, that is all that has happened; the file is fine.

Nothing appears when I click a question

Check the top of the right-hand pane. If it says "nothing selected", the click did not land — click the question text itself rather than the tag underneath it.

My quiz disappeared

Reopen the last link you used; the quiz is stored in the address. If you pressed **Clear**, that empties it deliberately — use your browser's Back button to return to the previous address.

The printout is cut off or scaled oddly

In the print window set scale to **100%** rather than "fit to page", paper to **Letter**, and switch **Background graphics** on so the section headers print.

A question looks wrong to me

Please tell me through the Q&A tab on the product page before leaving a review. Every question has an ID underneath it, like **GEN-MC-12** — send me that and I can find it immediately. If it is wrong I would much rather fix it, for you and for everyone else.