

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

Project Due date: Wednesday, May 2, 2018

Class Period: \_\_\_\_\_

## Honors Electronic Quiz Board 2017-2018

Each student will use 10 vocabulary words and answers (in matching form) from the vocabulary word bank located on CANVAS. They must then design and build an electronic quiz board which must cause a light to turn on ONLY when a question is connected to the **correct** answer. The quiz board must be created on a piece of poster or foam board (see below for dimensions).

### Materials:

piece of poster or foam board **no larger than 24" x 36"** and **no smaller than 18" x 24"**

Light or LED

Battery (batteries)

Conductors (wires or strips of aluminum foil)

Additional "add on" materials as needed

### Quiz Board Vocabulary Words

1. Not *all* vocabulary words and answers can be directly across from each other.
2. **Vocabulary words and definitions may NOT be handwritten.** They must be computer generated.
3. Quiz board must use the 10 vocabulary words obtained from CANVAS, and a typed answer key must be attached to the back of the project poster or foam board.
4. Vocabulary definitions must be obtained from reliable resources such as the course textbook, electronic notes from Canvas, [www.physicsclassroom.com](http://www.physicsclassroom.com), etc.

### Bonus Points:

Projects that are turned in early can earn a maximum of 0.5 bonus points. 0.1 points will be awarded for each school day (weekends do not count) that the project is turned in early up to five days early. To obtain maximum bonus points, the quiz board must be turned in on or before **Wednesday, April 25, 2018**.

### Due Date:

- Absent students should arrange to have projects dropped off in the front office with student name and teacher's name attached to it; otherwise, a zero will be earned on the project grade. The project must be date stamped by front office personnel.
- Projects are due when the tardy bell rings; any projects not in class or not complete at that time will not be accepted.
- Any student earning a zero on the project may take the 9-weeks comprehensive retake to replace the zero on the major project.

**Rubric:**

Objective	YES	NO
Completed quiz board only: The quiz board is completed on a piece of poster or foam board no larger than 24" x 36" and no smaller than 18" by 24"	__0.5	__0
Completed quiz board only: There are 10 conductors installed between vocabulary words and definitions, and a battery or batteries are installed on the back side of the quiz board.	__1.0	__0
Completed quiz board only: All materials are attached in a fixed position on the poster or foam board. The light is attached to the board in a location displayed from the front of the board.	__0.5	__0
Completed quiz board only: The wire leads used to check vocabulary words and definitions are of sufficient length to reach all words and definitions.	__0.5	__0
Completed quiz board only: The light illuminates when matching each vocabulary word with the correct answer. The light does <b>not</b> illuminate when matching each vocabulary word with an incorrect answer.	__1.0	__0
Completed quiz board only: 10 vocabulary words and definitions are typed/computer generated and attached to the poster or foam board.	__1.0	__0
Completed quiz board only: A completed typed answer key has been attached to the back of the poster board.	__0.5	__0

Total Score \_\_\_\_\_/5 points including bonus.

Comments:

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