

## FAST FACTS

1. **DESCRIPTION:** Teams will develop a list of terms that begin with a given letter to match given science categories.

**A TEAM OF UP TO: 3**

**APPROXIMATE TIME:** 50 min.

2. **EVENT PARAMETERS:** The event supervisor will provide writing implements and scoresheets. Students are not allowed to bring any materials into the competition.

3. **THE COMPETITION:**

- a. Each competition will consist of 3-5 rounds. Each round will begin with the supervisor giving each team a scoresheet consisting of a grid which has 5 different science categories listed along the horizontal axis and 5 different letters of the alphabet listed along the vertical axis. The event supervisor will determine the categories and letters to be used in each round. Categories and letters must not be repeated within a grid or among the grids.
- b. Teams will have 5 minutes to complete each round. Teams will write a term, corresponding to the given category and beginning with the given letter, in each of the 25 boxes of the grid. At the end of 5 min. the event supervisor will stop the round. For each round all students should start and stop writing at the same time as directed by the event supervisor. Students beginning before or after the supervisor starts/stops the round will have their scoresheet not scored for that round.
- c. At the end of the round the supervisor will pick up all scoresheets. Then a new set of scoresheets will be distributed to students. This will be repeated until the end of the 3-5 rounds.
- d. Students are to write their names and school on the scoresheet for each round. A Scoresheet without student names and school will not be scored resulting in that scoresheet not being added to the final score.
- e. Names of the categories must not be used in the answer.
- f. If a correct response has more than one word, the 1st letter of the first word will be used. (e.g., “D” is the 1st letter of the Doppler Effect) Exceptions: The 1st letter of a word following the articles “the” or “a/an” will be considered the 1st letter of the term. (e.g., “G” is the 1st letter for the term “The Grand Canyon”)
- g. Students may not write two different forms of a response within a category to get credit for two different answers (e.g. Category - “Scientific Theories”, Letters - “B” and “E”, and the student writes “biological evolution” and “evolution”. The student would only get credit for “biological evolution” because that term is the more precise of the two responses).
- h. If the category asks for the name of a person both the given (first) and surname (last) of a person must be written. The first letter of the surname must match the required letter (e.g., “D”-Charles Darwin, “C”-Marie Curie).
- i. Incorrect spellings of the word must be allowed if the supervisor is able to determine the intended term. However, the first letter of the response must be correct. (e.g., “Krust” would not be allowed for the letter “C”. “Krust” would not count for the letter “K” as the correct spelling is “crust.” All words must be found in an American/US based English Scientific Dictionary such as: <http://dictionary.reference.com/science> or [http://www.oxforddictionaries.com/us/definition/american\\_english/science](http://www.oxforddictionaries.com/us/definition/american_english/science).

4. **SCORING:**

- a. The number of points earned depends upon the number of correct terms listed in a row (category/horizontal) and in a column (letter/vertical) Points will be awarded as follows:

one correct term in a row = 1 pt	one correct term in a column = 1 pt.
two correct terms in a row = 4 pts.	two corrects term in a column = 4 pts.
three correct terms in a row = 9 pts.	three corrects term in a column = 9 pts.
four correct terms in a row = 16 pts.	four corrects term in a column = 16 pts.
five correct terms in a row = 25 pts.	five corrects term in a column = 25 pts.
- b. The round score will be determined by adding the category and letter scores of each of the rows and columns. Final score will be determined by adding all of the round scores. Highest total score wins.
- c. Tiebreakers will be determined by the following sequence: 1st- highest individual round score, 2nd-highest individual round score, 3rd highest individual round score, 4th highest individual round score, 5th-highest individual round score. If still tied the following sequence will be used: 6th- total columns/rows with 5 correct, 7th- most columns/rows with 4 correct, 8th- most columns/rows with 3 correct, 9th- most columns/rows with 2 correct.

**SAMPLE GRIDS** (to be placed on web page)

TEAM # \_\_\_\_\_ SCHOOL \_\_\_\_\_ STUDENT NAME(S) \_\_\_\_\_

CATEGOR Y							CATEGORY SCORE
L E T T E R							
LETTER SCORE							
TOTAL LETTER SCORE							
TOTAL CATEGORY SCORE							
TOTAL SCORE							

TEAM #: **B23** SCHOOL: **Mission Middle** STUDENT NAME(S): **James Jessick, Archer Litz**

CATEGOR Y		Scientist	Element	Unit of Measurement	Type of Landform	Part of a Cell	CATEGORY SCORE
L E T T E R	A	Amedeo Avagadro (misspelled-OK)	Aluminum	ampere		artery (incorrect so not counted)	9
	B	Niels Bohr	Boron		butte		9
	C	Marie Curie	Carbon	calorie	canyon	cytoplasm	25
	D	Charles Darwin		dyne			4
	E	Albert Einstein	Europium		earthquake (incorrect so not counted)		4
LETTER SCORE		25	16	9	4	1	
TOTAL LETTER SCORE							55
TOTAL CATEGORY SCORE							51
TOTAL SCORE							106