

BioQuest

Objective: Guess the word or phrase on your card by asking yes-or-no questions; to earn a point, the player must properly identify their term within the set number of questions.

Number of Players: 2 or more (ideally 3-4)

Materials Needed:

- List of terms applicable to the unit being studied; ideally they are printed and cut-out on cards so players can draw their card from the pile
- Paper and pen
- Headbands (optional)

Instructions:

1. Choose a Player to Start:

- Decide who will play first (this can be determined by any means you choose).

2. Pick a Term:

- The starting player draws a card from the stack without looking at it.
- If using a list of terms, design it so the player can close their eyes and point to one term on the list.
- The remaining teammates need to be made aware of the term, so the player can either hold the card out so the teammates can read it, or they can optionally place it on their forehead using the headband to hold it in place.

3. Ask Questions:

- The player begins asking yes-or-no questions to figure out what the term is. For example:
 - “Is this organ part of the digestive system?”
 - “Does this hormone get secreted by a humoral response?”
 - “Is it part of the brainstem?”
- The group should answer the questions, using resources as needed to make sure they provide the correct information.

4. Guess the Word:

- The player continues to ask questions until they guess the correct term or run out of questions.

5. End of Round:

- If the player guesses correctly, they get a point for their correct answer.
- If the player cannot correctly guess the term then no points are awarded.
- The player should return the card to the pile so all terms are available during all player rounds.

6. Rotate Turns:

- After each round, the next player takes a turn with a new card. Continue rotating until each player has had a set number of turns or after a predetermined time limit.

Winning:

- The player with the most points at the end of the game wins.

Tips:

- Encourage players to think about how they can maximize the information they get from a single yes or no question; sorting the terms into categories and comparing their functions helps students to better familiarize themselves with the material.

Sample Topics:

- Brain regions and functions
- Heart anatomy and physiology
- Cranial Nerves
- Hormones
- Enzyme functions (eg. Digestive enzymes, glycolysis and Krebs's cycle)