

## Materials Needed

- Printed blank question sheets, 1 per team
  - It is recommended that each team's question sheet is printed on a different color. For example, print one sheet of questions on blue paper, another on red paper, another on green paper, and so on. This will make it easier to determine the winner at the end of the game.
- One printed answer sheet
- Scissors
- Printed or drawn images of:
  - one nose
  - one mouth with tongue visible
  - one hand
  - one eye
  - one ear
- A basket, or bucket where students can place their correctly answered questions
- One envelope for each team

## Setup

1. Print out one blank questions sheet per team. It is recommended that each team has a different color question sheet. For example, if you have five teams then you should print the questions on five different pieces of colored paper.
2. Cut each question sheet so there is only one question per strip of paper. Make sure to leave students enough room to write their answers.
3. Place one complete set of questions (questions 1-14) in an envelope. Each team should receive an envelope with 14 strips of paper, one for each question, in their team color.
4. Place the printed out or drawn images of one nose, one mouth with tongue visible, one hand, one eye, and one ear around the room. Do your best to space them evenly. Images can be taped to walls, tacked to walls, laid out on empty desks, or stuck to whiteboards with magnets.
5. Under or near each image place an empty basket. This is where teams will place their completed answer strips.

## How to Play

1. Instruct students to read the four *BrainFacts.org* articles about vision, hearing, taste, smell, and touch. Students can read the articles online, or printed copies of each article can be distributed to them.
2. Once the students are familiar with the material split them into small teams. 3-5 people per team is recommended.
3. Give each team their envelope with the 14 blank questions, already cut into strips. Before they open the envelope direct their attention the five baskets and images around the room.
4. Once the teams are ready they will open the envelope, remove the questions, and begin answering the questions as a team. Students can split up the questions, or work on each question together.
5. Once the teams have completely answered all their questions, one chosen member of the team will take all the slips and place them in the baskets that matches the sense. For example, the

question “The separation of frequencies occurs in the snail-shaped (cochlea), which is tuned along its length to different frequencies” will go in the hearing or ear basket.

6. Once a team has distributed all the questions the game will be paused. Go to each basket and check if the correct questions are in each basket. Look for the first place team’s colored strips of paper.
  - a. Questions 5 and 11 will be in the vision or eye basket
  - b. Questions 1, 6, and 12 will be in the hearing or ear basket
  - c. Questions 2, 7, and 14 will be in the taste or mouth and tongue basket
  - d. Questions 4, 8, and 10 will be in the smell or nose basket
  - e. Questions 3, 9, and 13 will be in the touch or hand basket
7. If all the questions are in the correct baskets, match their answers to the printed out answer sheet. If their answers are correct, that team is the winner of the game.
8. If the first team to distribute their questions puts any in the wrong basket, or answers any questions incorrectly, then the game will resume and another team has the chance to win.

#### Alternate Version

- Instead of students pausing the game once the first place team has finished distributing their answers, have teams write their names on the board in the order they finished. First place team, then second place team, and so on until all the teams have completed the questions and distributed the strips of paper.
- Once every team has finished correct their answers in order. Look at the first place teams answers first, if they are all correct they are the winning team. If the first place team’s answers are not correct then go on to the next place team until you find a winner.
- Once a team has distributed their question sheets, they are not allowed to return to the baskets to change any answers. If they do, then they will drop down to last place.