

**Quadrant A:** What surface feature can be created from an impact of a space rock?

**Quadrant B:** What are the best places to find meteorites?

**Quadrant C:** How do teams in Antarctica travel around as they search for meteorites?

**Quadrant D:** What unique feature often forms as a crust on the outside of a meteorite?

**Triangle E:** What are the old round 4.5-billion-year-old features found in chondrites?

**Triangle F:** How are collected samples kept frozen as they travel from Antarctica to NASA's Meteorite Lab?

**Triangle G:** What is the largest asteroid in our solar system? (NASA has 350+ meteorites from this world?)

**Triangle H:** Using Apollo samples, scientists can determine that some meteorites originate from which world?

**Images:** Moon, Mars, Vesta

**Center:** WRITE/DRAW & LABEL ANSWER

**FILL OUT YOUR CHATTERBOX:**

1. Read each question and **draw and label your answer**.
2. Assign each answer a number of points (1-8) within the dotted circle.

**FOLDING INSTRUCTIONS:**

1. Print and cut around the outside border of the Chatterbox (square).
2. Fold the square in half, unfold, and in half again in the opposite direction.
3. Unfold the square. With the blank side up, fold each corner to the center (middle) of the square. You will have a smaller square.
4. Turn over and repeat step 3, creating an even smaller square.
5. Turn over so you can see the pictures.
6. Slide your thumb and your finger under the flap of 2 of the pictures and press the top corners together.
7. Slide your thumb and your finger under the flap of the other 2 pictures and press the top corners together.
8. All pictures should now be visible with top corners touching.

**CHATTERBOX CHALLENGE: 2 PEOPLE**

**STEP 1:** Person 1: Hold your completed Chatterbox. Person 2: Pick a solar system location. Person 1: Spell out and move the chatterbox according to the location chosen (for example: M – A – R – S)

**STEP 2:** Person 2: Pick a letter shown in the Chatterbox. Person 1: Count and move the Chatterbox according to the letter chosen.

**STEP 3:** Person 2: Pick a letter shown in the Chatterbox. Person 1: Read the question and see if Person 2 can answer correctly. If they do, they earn the number of points you assigned to that question. (Keep track of points earned.)

**STEP 4:** Change roles and complete steps 1 – 3. (Repeat 4 times - person must choose different question each time.)

**DETERMINING THE WINNER:** After completing the above steps 4 times, the person with the most points wins.