

Objective:

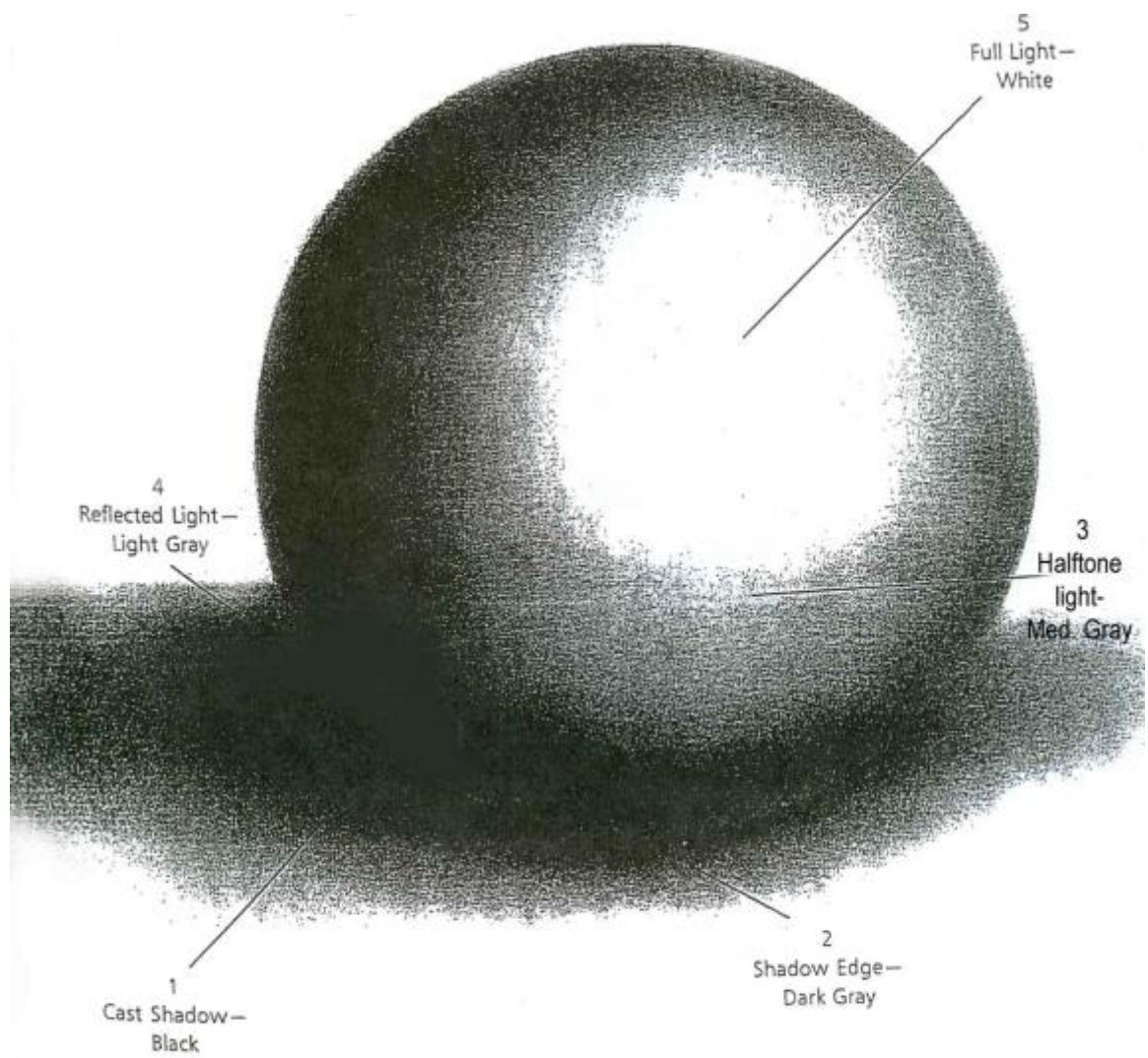
- Students will use values from their value chart shade a sphere correctly.
- Students will use value to change shape into form.
- Students will understand the following terms: highlight, mid-values, core shadow, cast shadow.

Materials:

- Paper
- Pencil (5b or 6b)
- Compass
- Kneadable eraser (optional)

Activity:

1. Students will draw a 6-inch circle with a compass.
2. Students will shade the core shadow using value #5, until it is the shape of a crescent moon. In terms of time, start the crescent at 12 o'clock and end it at 4 o'clock. (**Note:** Once the core shadow is complete, the negative space left not shaded inside the sphere should be in the shape of a smaller circle.)
3. Students will then shade the mid-values of #4 and #3 in a circular direction until a small circle is left in the upper right corner of the sphere. Students should always shade in the direction that follows the contour of the shape. Students will lightly shade a #2 value in a complete circle which gradates to a highlight in the center that will be about the size of a nickel.
4. Students will shade a cast shadow at the bottom of the sphere, on the opposite side of the highlight. They will start with a #6 value and gradate out from the bottom of the sphere to a #2 value. (**Note:** Remember that the shape of the sphere is rounded, so the cast shadow must be rounded also.)
5. Students will critique a partners' sphere for the class.



6.