



SCIENCE: K-2

Meets North Carolina Standard Course of Study

The Apple Blossom

Apple Parts

Apple Parts Fill in the Blanks

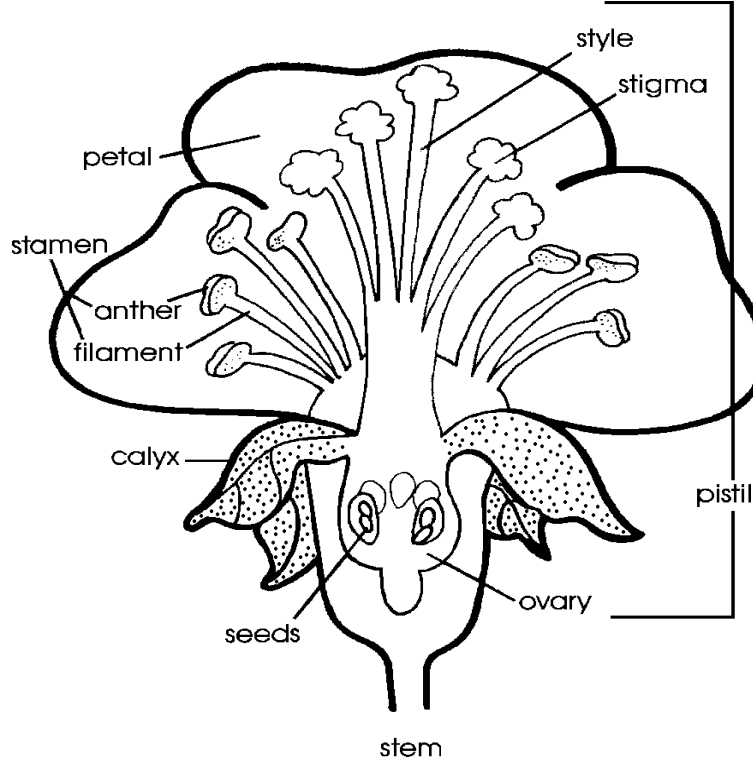
Tree Parts

Soaking Up the Sun's Rays: Apple Tree Leaves





THE APPLE BLOSSOM



The flowers have many parts that are crucial to the formation of apples:

Sepals - five green, leaflike structures that make up a flower's calyx

Petals - the part of a flower that attracts insects by their color and scent

Stamens - the male reproductive part made up of an anther and filament

Anther - the part of the stamen that produces pollen

Filament - the stalk of the stamen

Pistil - female part of the flower, made up of a stigma, style, and an ovary

Stigma - the top of a flower's pistil

Style - the part of a pistil that connects the stigma and the ovary

Ovary - the rounded base of the pistil, inside of which are five compartments each containing two ovules, female reproductive cells that can become seeds

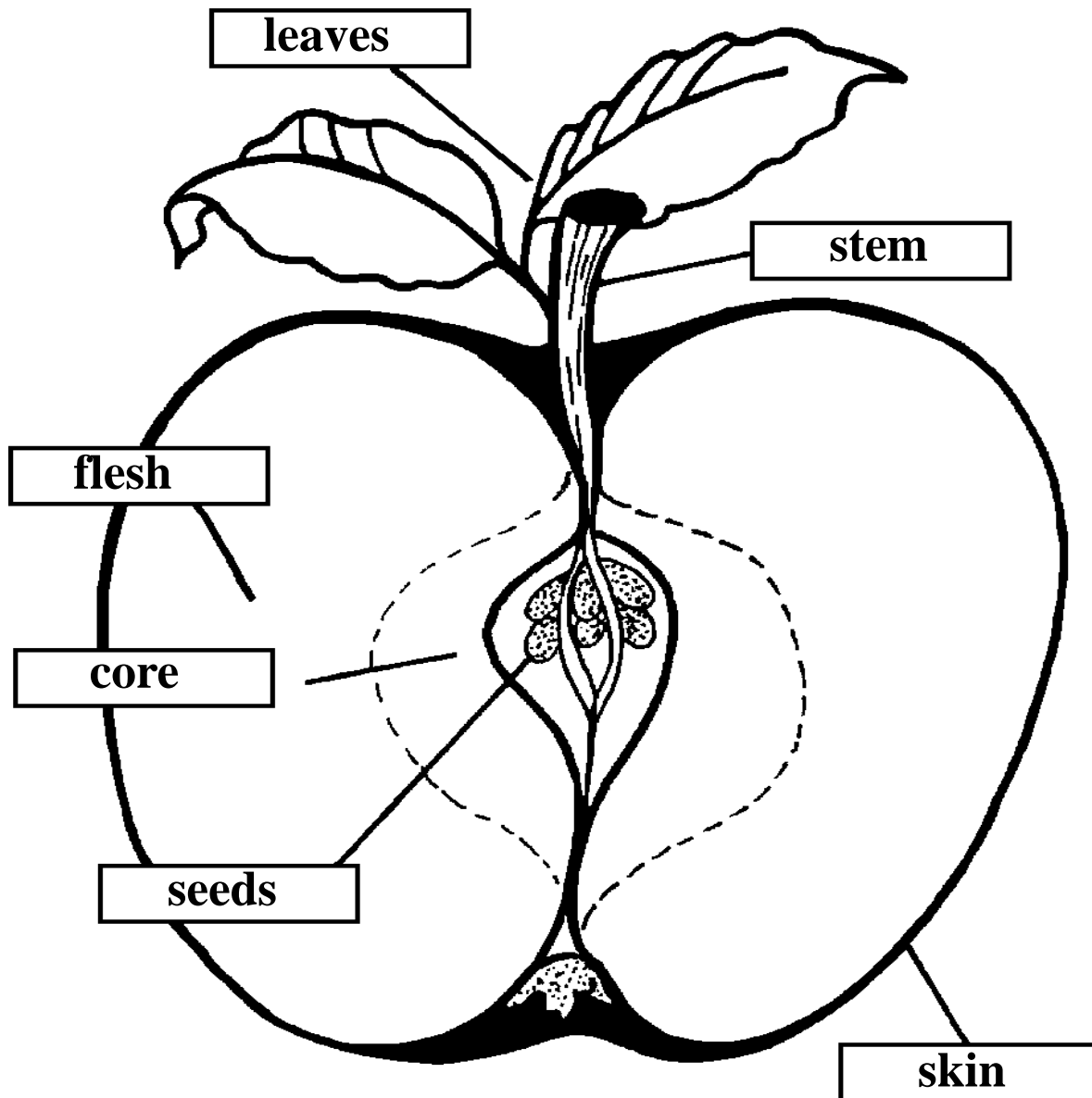
Source: US Apple Association





APPLE PARTS

Prepare a chart that shows the parts of an apple. Print the name of each apple part on separate cards. Have students match the word cards to the correct apple part on the chart.



Source: US Apple Association

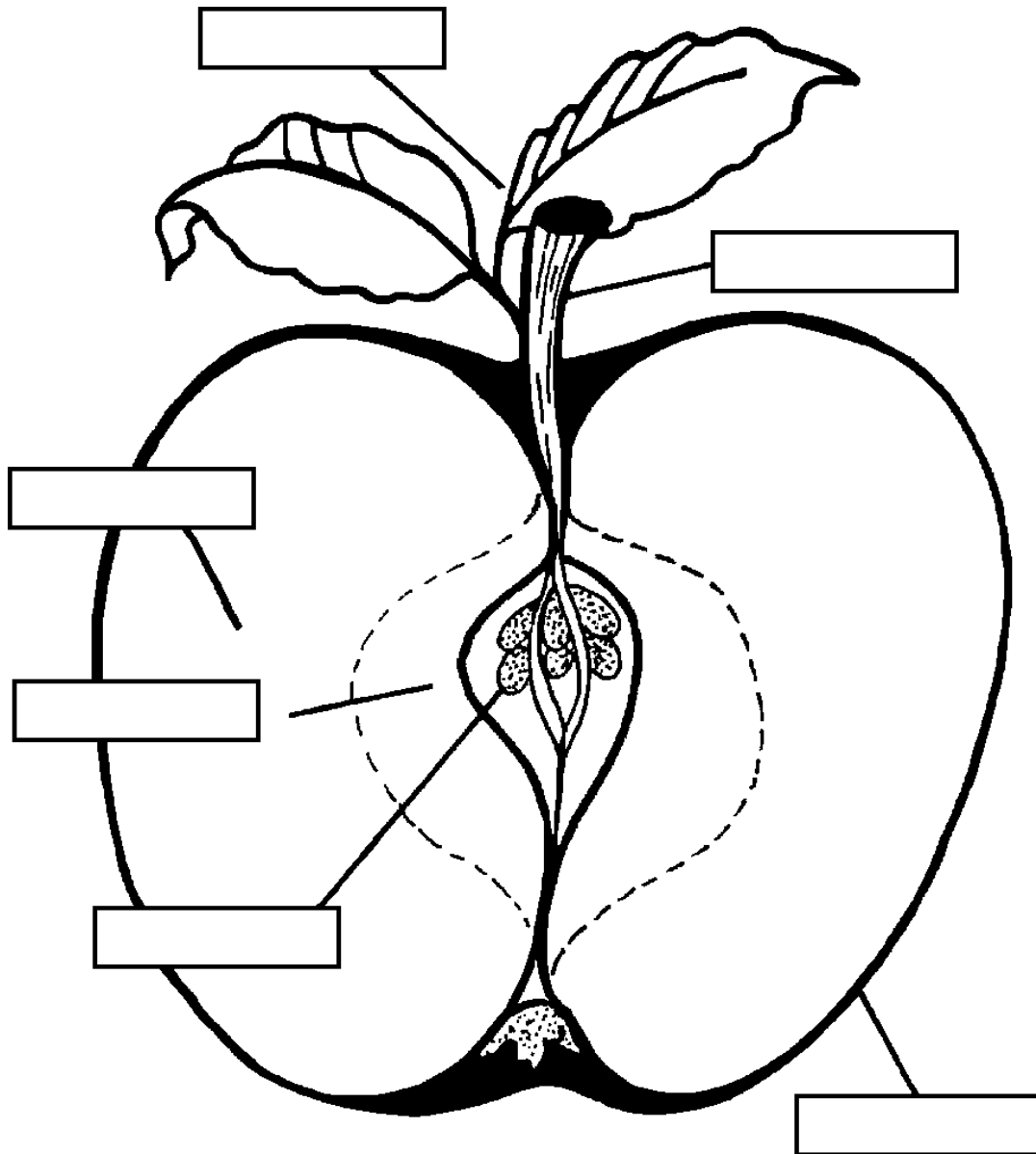




APPLE PARTS

Label the apple picture with the following terms:

- leaves
- skin
- core
- flesh
- stem
- seeds



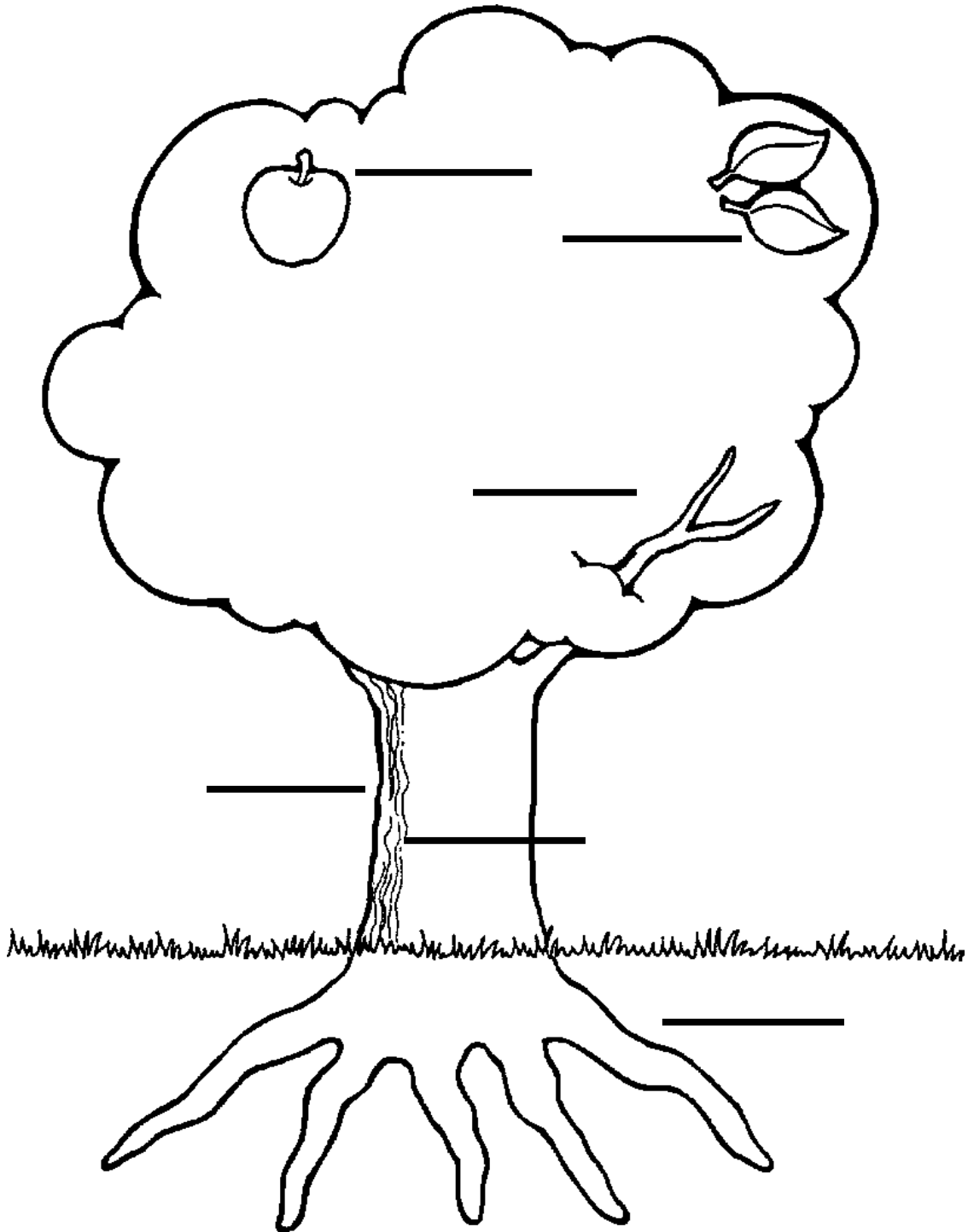
Source: US Apple Association





APPLE TREE PARTS

leaves bark apples trunk branches roots





SOAKING UP THE SUN'S RAYS

APPLE TREE LEAVES

Did you know that leaves breathe just as you do? Instead of breathing in oxygen and breathing out carbon dioxide as we do, leaves breathe in carbon dioxide and breathe out oxygen.

Inside leaves there is a chemical called chlorophyll, which gives the leaves their green color. When the sun shines on the chlorophyll, the leaf makes food in the form of sugars and starch which the tree and the apples must have to grow. This process is called photosynthesis. It takes about 40 leaves to make enough food for one apple to grow to about 3".

Activities

- Observe an apple tree leaf through a microscope.
- Have students draw and describe other plants or trees whose leaves "Soak up the Sun's Rays" to survive.

