

Type of fruit collection

Learning objective: To demonstrate the diversity of fruits found in trees.

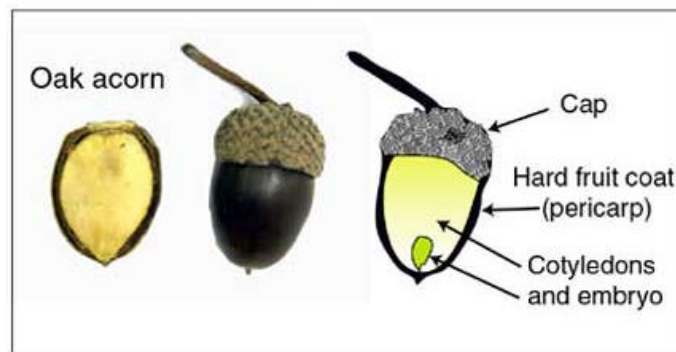
Background information: Seeds are developed inside the fruit (or cone) in tree species. The fruit types covered in this website include:

Fruit type	Plant name
Nut	Pecan, bur oak, pin oak, red oak, white oak.
Pod	Eastern redbud, honeylocust, Kentucky coffeetree, yellowwood.
Capsule	Northern catalpa, Ohio buckeye, sweetgum.
Samara	Green ash, American ash, red maple, sugar maple, tulip poplar.
Berry	Paw paw, persimmon.
Drupe	Black cherry, black walnut, flowering dogwood.
Pome	Cockspur hawthorn.
Cone	Bald cypress, eastern hemlock, eastern white pine.

Procedure:

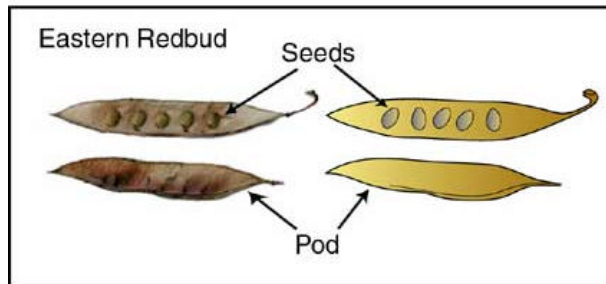
1. Make a fruit type collection by trying to collect a fruit in each category.
2. Dissect the fruit to find the actual seed.
 1. Draw a picture of your fruit and compare it to the image available in the website.

Nut



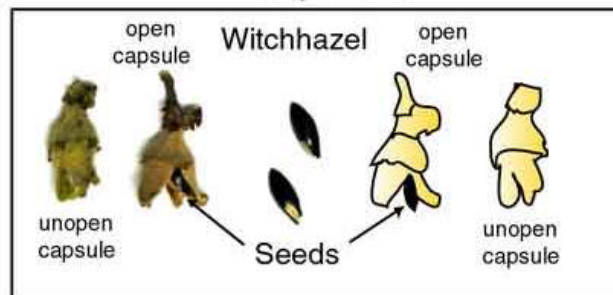
A nut is a single-seeded fruit with a hard outer fruit coat (pericarp). Examples include oak, chestnut, and filbert.

Pod



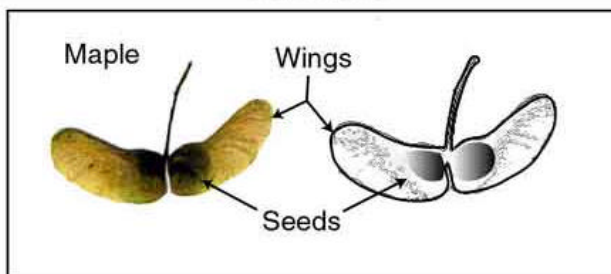
Pods are fruits common in the legume family. They are dry at maturity and open on the side to release the seeds. Examples include redbud, honeylocust and Kentucky coffeetree.

Capsule



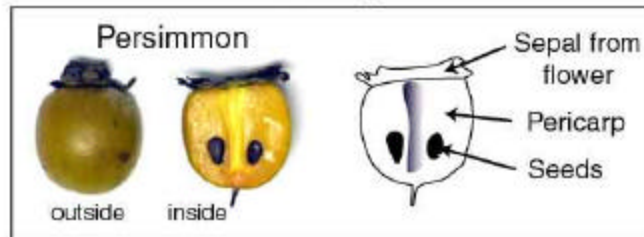
Capsules are dry fruits that contain many seeds. The fruits split open to release seeds. Examples include witchhazel, lilac, and sourwood.

Samara



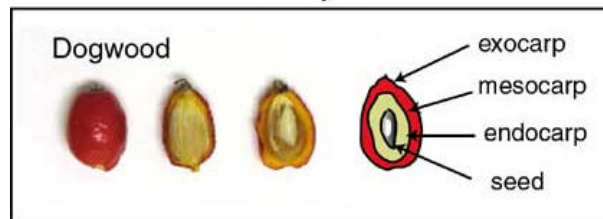
A samara usually has one seed contained inside a papery wing that allows the fruit to move with the wind. Examples include maple, ash, and elm.

Berry



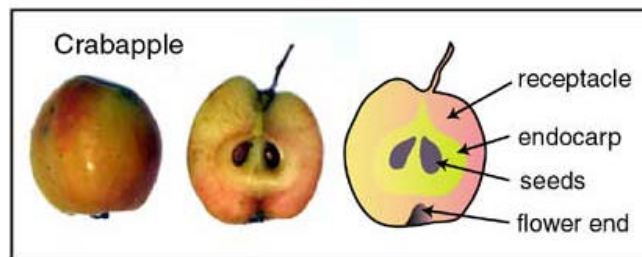
A berry has many seeds inside a fleshy fruit. Examples include persimmon and pawpaw.

Drupe



A drupe is a single-seeded fleshy fruit with an outer layer (exocarp), fleshy middle layer (mesocarp) and a stony, hard inner layer (endocarp) that surrounds the seed. Examples include cherry, dogwood, and fringetree.

Pome



A pome is a fleshy fruit where the inner fruit and seeds (inside papery endocarp) is surrounded by modified flower tissue called the receptacle. Examples include apples and pears.