

Sponges have been used since ancient times



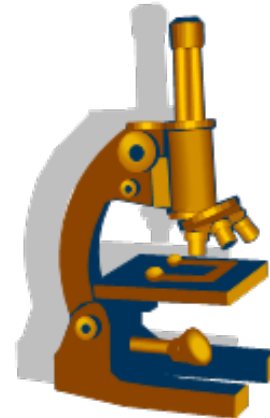
- The Greeks used them in their

_____.

- The Romans used them for paintbrushes and _____.



- The early classification put sponges with _____.
- When they started to use _____ they discovered the similarities to animals.



- Asymmetrical
- Sessile- non mobile

- Sponges do not have _____
or _____.
- Sponge cells can recognize
other sponge cells

Oscula Choanocytes Amoebocytes Ostia Mesoglea

- Spongin-makes up the skeleton on the sponge. It is a flexible _____ fiber.
- Spicules- tiny needles of silica and calcium carbonate

Calcareous

have
spicules
made of
calcium
carbonate

Glass

have
spicules
made of
silica

Demosponge

made of
spongin

Reproduce asexually and sexually

- Sponges _____ when cut into pieces
 - They reproduce by breaking off _____

- Many sponges are

- The egg and sperm are produced at different times so they _____ self fertilize