

## Lichen Questions:

- ① A symbiotic organism made up of a fungus and an alga.
- ② The fungus provides structure and shelter; the alga provides food.
- ③ The alga uses photosynthesis — it takes the sun's energy and uses it to make sugar from air and water. The fungus gets food by absorbing waste products from the alga.

④ Anywhere there is water and someplace to attach. (They need sunlight.)

⑤ Lichens can produce spores that contain the algal and the fungal cell. These spores are dispersed by wind and if they land somewhere good, they can make a new lichen. Or the lichen can make just a fungal spore - but that spore has to wait for an algal spore to come along before it can make a lichen.

genetic mixing →

⑥ Lichens can also reproduce vegetatively -  
pieces of a lichen can break off,  
be transported somewhere else, and  
start a new lichen.

genetic  
clones →

## Lichen herbarium :

- ① Dry your specimens in a plant press
- ② Finish envelopes
- ③ Index cards