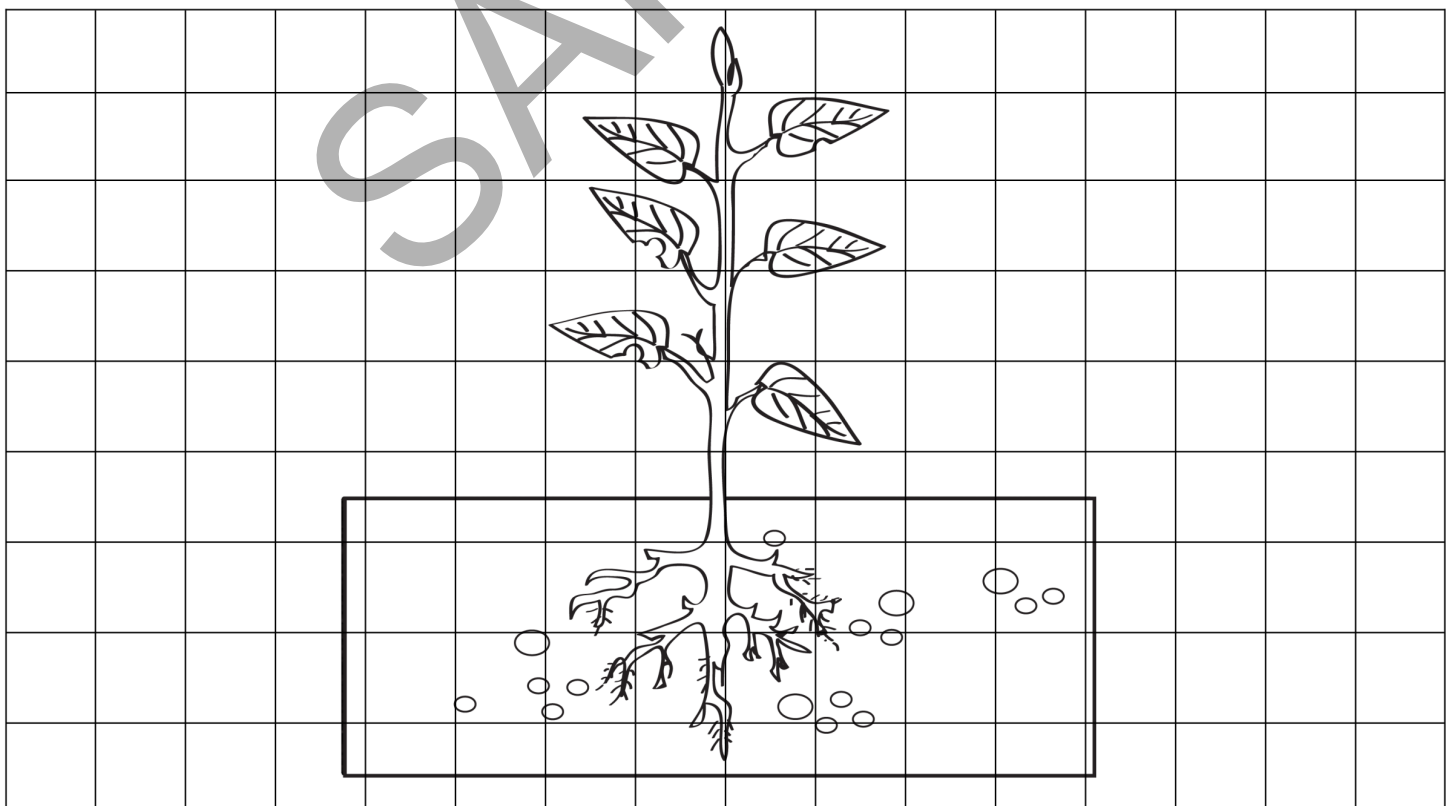


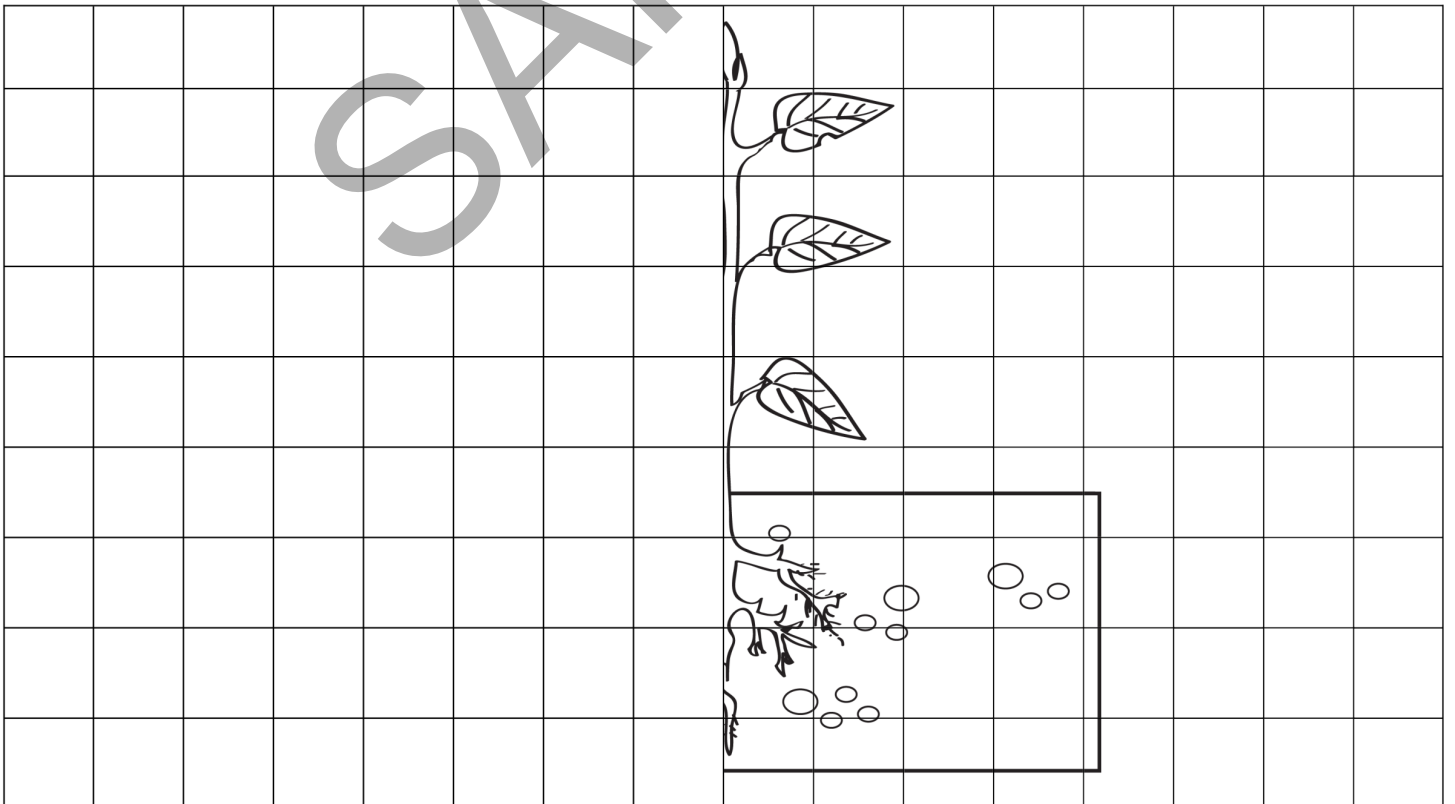
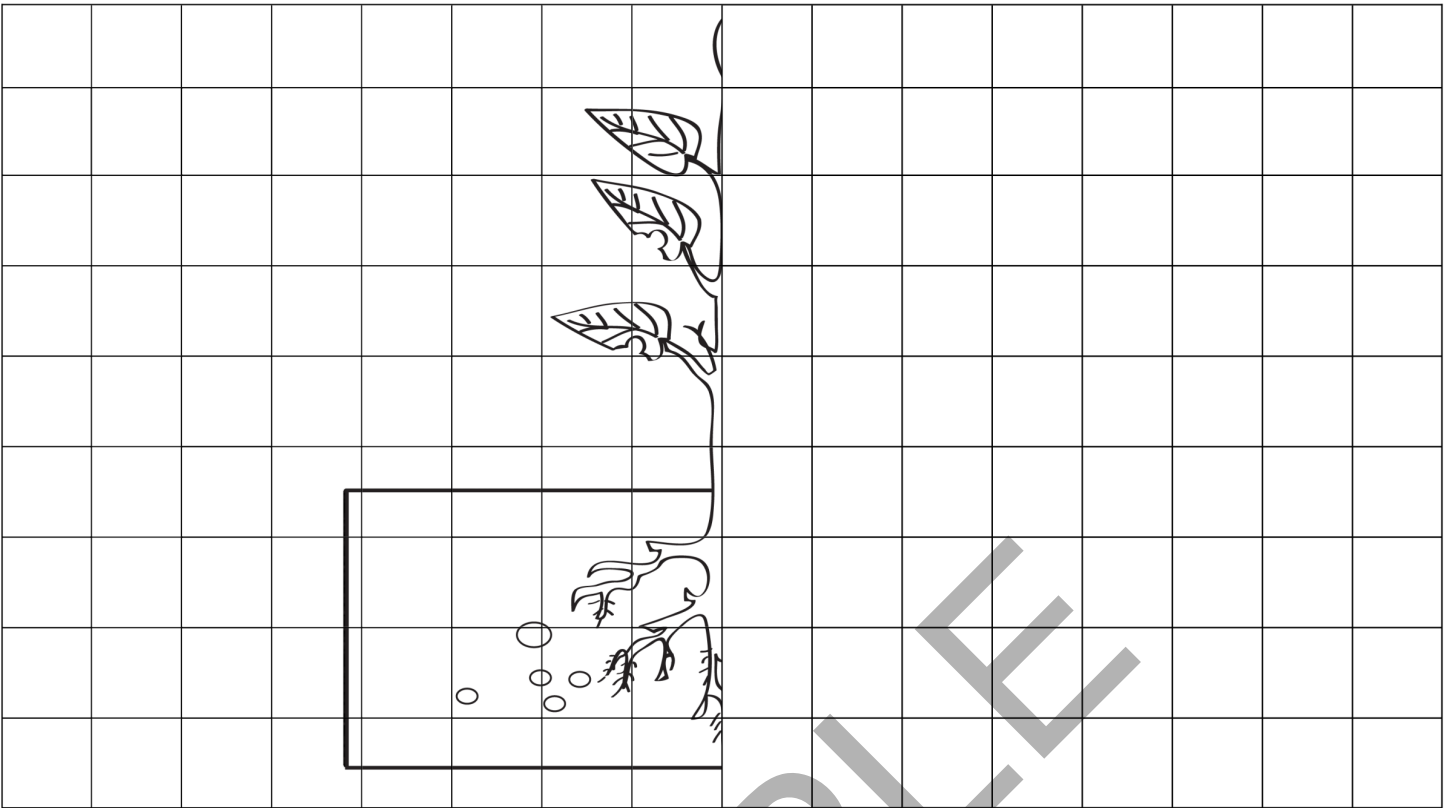
# Tropism

Tropism is an involuntary way a living thing moves or bends as a reaction to something that happens outside it. Because it's involuntary, it means it happens without the living thing, like a plant, being able to control it. It just moves as a response to whatever happened. The bending is usually slow and mainly happens in tissues that are young. Tropisms can be toward the stimulus or away from the stimulus. There are different types of things that happen outside plants that cause them to move in different ways, and each tropism is named for the stimulus that causes it.

Follow these instructions to draw a plant on the next page like the one shown below:

- Decide if you want to draw the right half of the picture or the left half of the picture and draw it in one of the first two grids. You can draw both if you'd like.
- Now, using a blank grid from the back of the book, try drawing the whole picture.



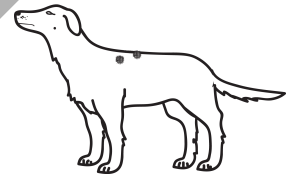
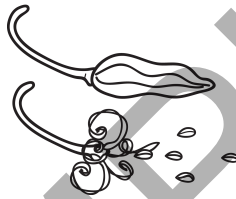


# Questions

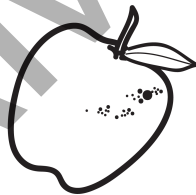
Match the word to the correct definition.

- |                     |                                |
|---------------------|--------------------------------|
| ___1. phototropism  | a. plant's response to touch   |
| ___2. hydrotropism  | b. plant's response to light   |
| ___3. thigmotropism | c. plant's response to gravity |
| ___4. geotropism    | d. plant's response to water   |

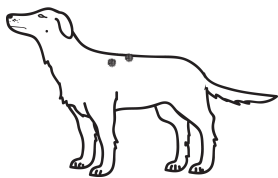
5. Which picture is an example of seed dispersal by animal fur? Circle it.



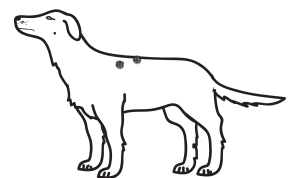
6. Which picture is an example of seed dispersal by gravity? Circle it.

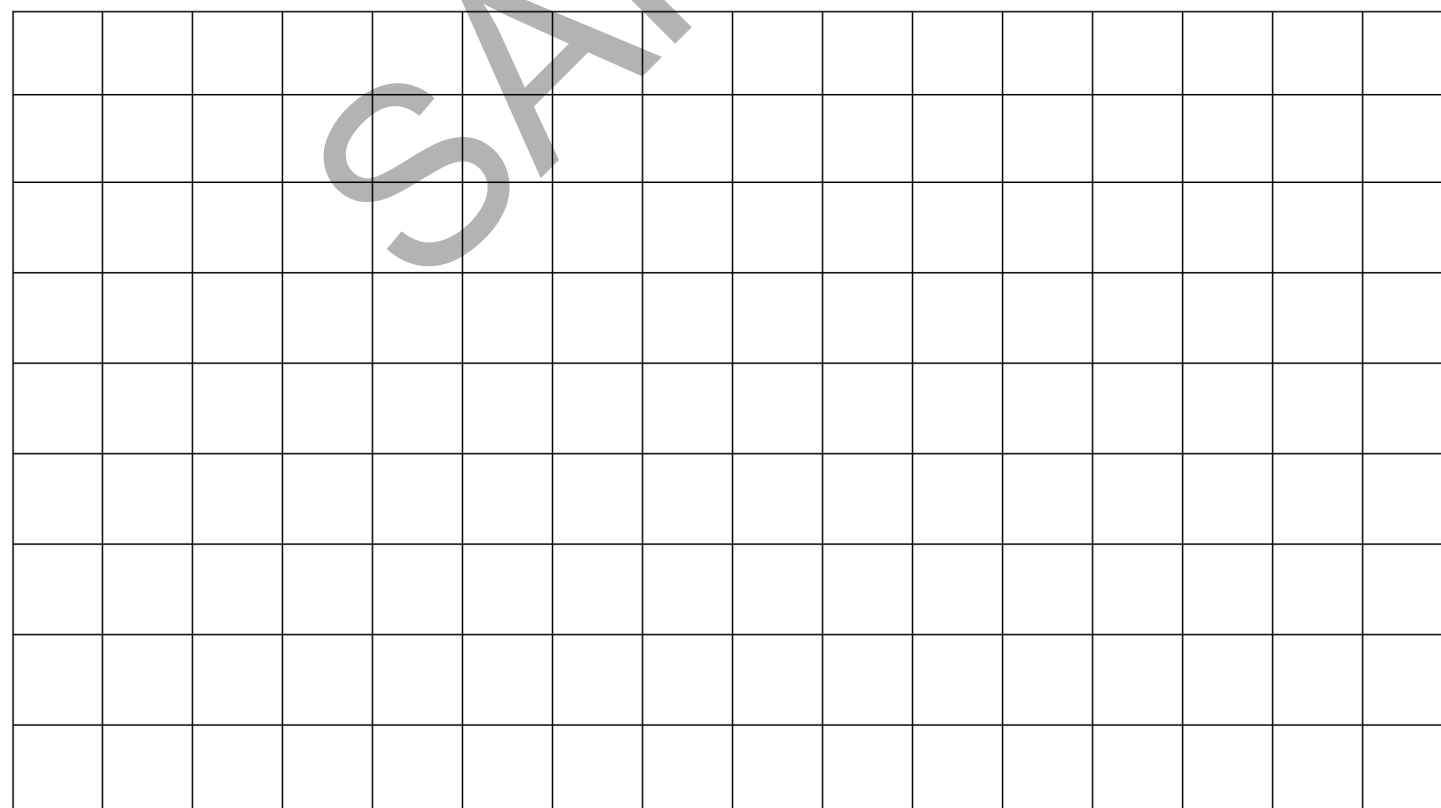
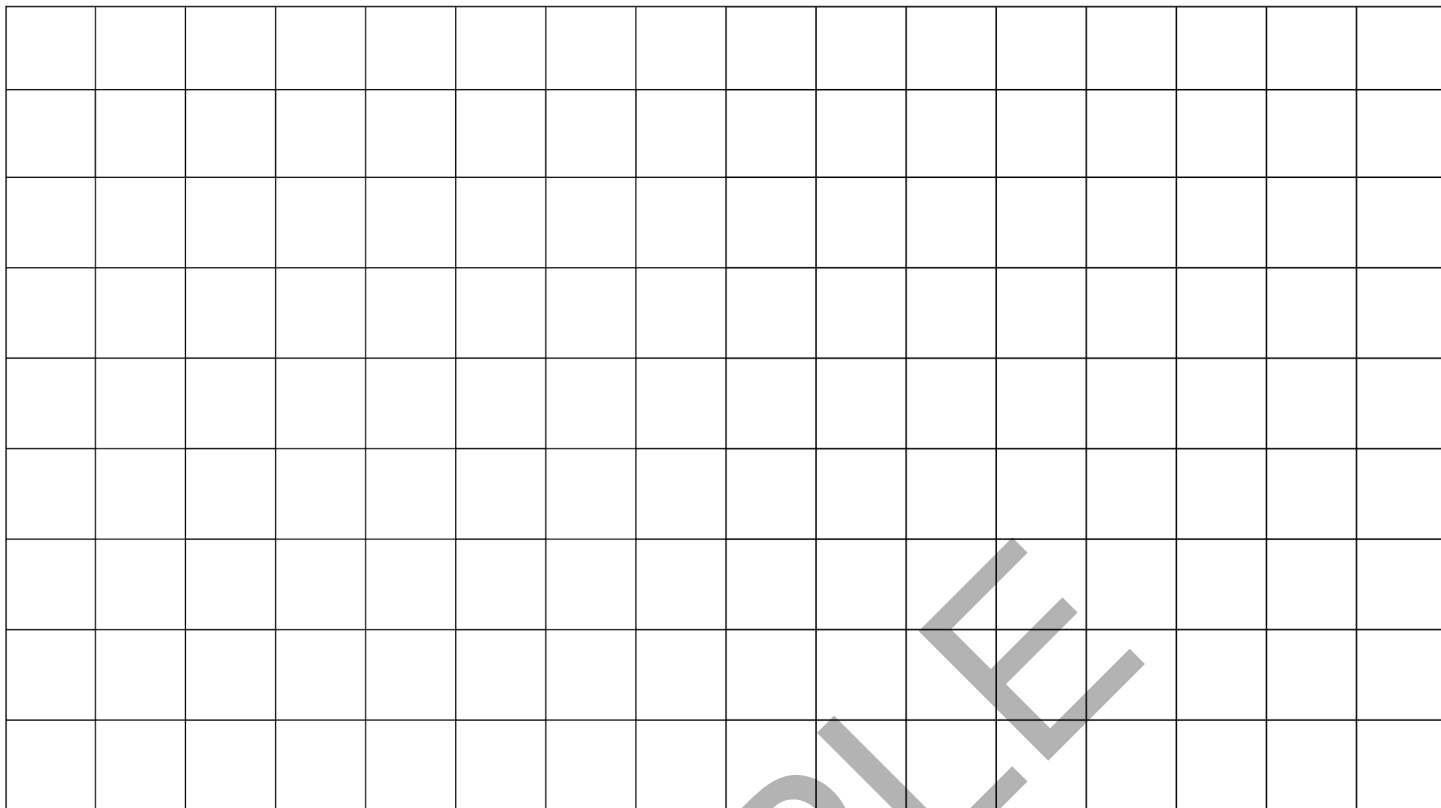


7. Which picture is an example of seed dispersal by water? Circle it.



8. Which picture is an example of seed dispersal by explosion? Circle it.





# Answer Key

1. b

2. d

3. a

4. c

