

Here We Grow

FLORIDA!

A Florida Agricultural Literacy Activity Book

3-5 Grade

Florida's greenhouse and **nursery** industry is the second largest of any state in the country. It is Florida agriculture's largest **commodity** and provide over 150,000 jobs. Florida produces over \$2 billion in greenhouse and nursery **products** each year. The plants raised in Florida's greenhouses and nurseries go all over the world. A **greenhouse** is used to maintain an environment suitable for the plants year round.



Nursery: a place where young plants and trees are grown for sale or planting elsewhere.

Greenhouse: a building that allows sunlight through to grow and protect plants from outside conditions.

Commodity: a material or agricultural product that can be bought and sold.

Product: a thing that is made or grown to be sold.

You are in charge of a landscaping operation. Your customer wants you to landscape their yard while staying under \$2,500. They have a list of 15 different types of trees, shrubs and flowering/non-flowering groundcover they want you to use. Use the green spaces to design where you are going to put each type of plant.

The large green circles and large green rectangles on the edges can hold 1 tree, 3 shrubs or 5 flowers/non-flowering groundcover. The medium rectangles in the backyard can hold 2 shrubs or 4 flowers/non-flowering groundcover. The small rectangles around the house can hold 1 shrub or 2 flowers/non-flowering groundcover.

Plant Options:

Trees:

- A. Crape Myrtle- \$99
- B. Magnolia- \$119
- C. Pygmy Date Palm- \$75
- D. Phoenix (Indian Date) Palm- \$149
- E. Live Oak- \$99

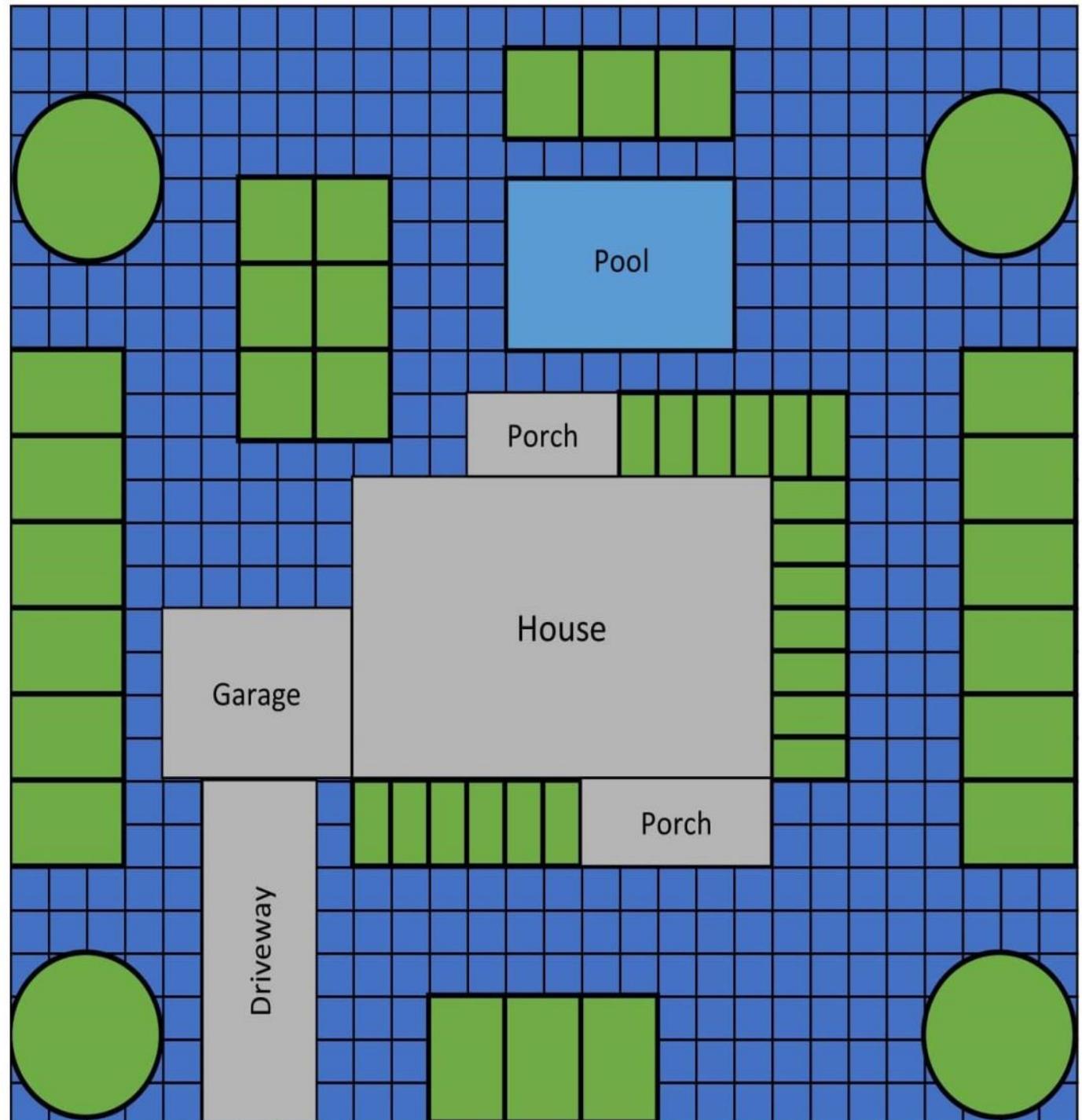
Shrubs:

- F. Liriope (Lily Turf)- \$3
- G. Azalea- \$45
- H. Fountain Grass- \$8
- I. Indian Hawthorne- \$37
- J. Walters Viburnum- \$10

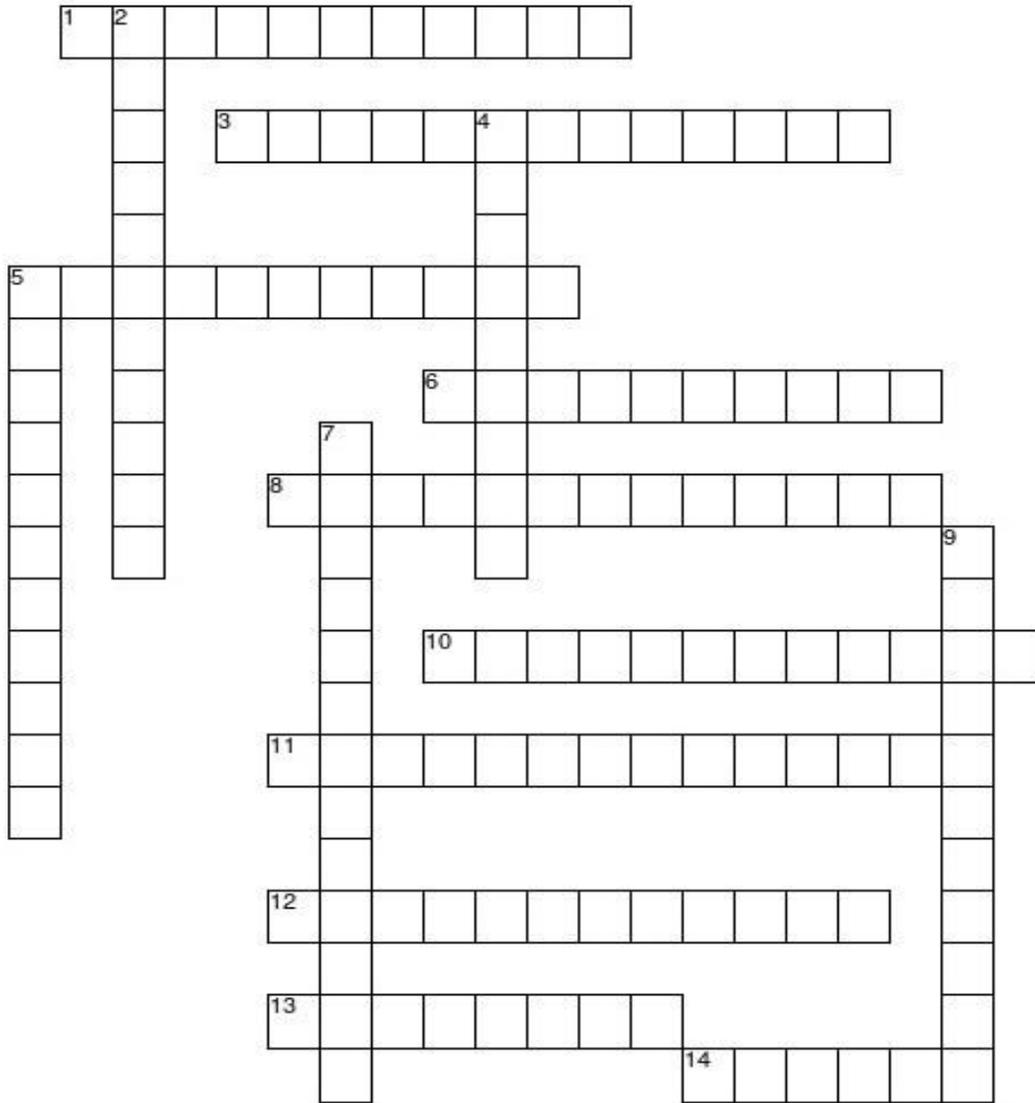
Flowers/Non-flowering Groundcover:

- K. Marigolds- \$4
- L. Impatiens- \$4
- M. Begonia- \$2
- N. Caladium- \$6
- O. Asiatic Jasmine- \$4

Show which plant you are using in the box by labeling it with the corresponding letter.



Using the book *Here We Grow Florida!* found at AgTag.org complete the crossword puzzle.



What job in the greenhouse and nursery industry could you see yourself working in when you grow up? Some examples are but not limited to fabricator, innovator, sales and scientist. Give three reasons why you would want to do this job.

Job: _____

1. _____
2. _____
3. _____

Across:

1. The addition of fertilizers through an irrigation system.
3. The science of growing, management and study of individual trees, shrubs, vines and other woody plants.
5. The process of growing new plants from a variety of sources.
6. One who makes, builds, creates or constructs something from different parts.
8. A wrong or incorrect idea.
10. The science and art of growing fruits, vegetables, flowers or ornamental plants.
11. The process in which green plants use sunlight to make their own food.
12. The science of growing and marketing flowers and foliage plants or flower farming.
13. The study of crops and the soils in which they grow.
14. The study of plant life.

Down:

2. The surrounding conditions or forces that influence a plant's or animal's characteristics and ability to survive.
4. Someone who does something in a new way or has ideas about how something can be done.
5. The process of transferring pollen from the anther to the stigma to fertilize the plant and make seedlings.
7. The changing in genetic material of living things to produce useful products.
9. The study of grasses.

Word Bank

- | | |
|---------------|----------------|
| Agronomy | Floriculture |
| Agrostology | Horticulture |
| Arboriculture | Innovator |
| Biotechnology | Misconception |
| Botany | Photosynthesis |
| Environment | Pollination |
| Fabricator | Propagation |
| Fertigation | |

Plant-A-Shape!

With this activity book comes a Plant-A-Shape card. You can plant the card either in a pot with potting soil or in the ground. When the plants grow you will be able to see a shape!

Materials:

- Plant-A-Shape card
- Pot
- Soil or clear area outside
- Water

Instructions:

- Place potting soil in the pot or clear out an area on the ground with adequate sunlight.
- Place Plant-A-Shape card on top of the soil.
- Cover Plant-A-Shape card with a 1/2 inch of soil.
- Water the soil and watch the plants grow.



Florida Agriculture in the classroom is funded by the sale of the specialty license plate, the AgTag.

Visit Florida Agriculture in the Classroom's website AgTag.org for the answer key and more information about the resources and grant money Florida Agriculture in the Classroom offers teachers.

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