

## Answer keys

### WHAT'S DIFFERENT?

Removed or changed items: No horse, no lock, label on box, number of buckets, black shovel handle, missing seed bag, fence post, different danger decal, key hole shape, no grass

### THE PROTECTION SOLUTION

- ▶ Joe sprayed thistles using the coverall, gloves, and respirator mask
- ▶ Mary fertilized the yard wearing jeans and tennis shoes
- ▶ Sam cleaned the toilet wearing the rubber gloves

Discussion answers- Concentration and toxicity of chemical, type of PPE worn, exposure time

### CODED CHEMICAL MESSAGE

Many chemicals can be used safely.

### RURAL CHEMICAL SCRAMBLE

Chemicals, pests, crops, livestock, weeds, yield, multiply, humans, touching, away

### CHEMICAL DOMINOES

#### Chemical used on the farm

- ▶ Herbicide
- ▶ Pesticide
- ▶ Insecticide
- ▶ Fungicide

#### Crops that often use insecticide

- ▶ Apples
- ▶ Wheat
- ▶ Cotton
- ▶ Peaches

#### State where herbicides are used

- ▶ Virginia
- ▶ Arkansas
- ▶ Indiana
- ▶ Nebraska

#### Ways chemicals can enter the body

- ▶ Through the eyes
- ▶ Ingestion
- ▶ Absorption
- ▶ Injection
- ▶ Breathing

#### Place on the farm where fertilizers are used

- ▶ Garden
- ▶ Field
- ▶ Yard

#### Animals where medicine may be used

- ▶ Dog
- ▶ Sheep
- ▶ Cattle
- ▶ Chickens
- ▶ Pigs

#### Hazard signal word

- ▶ Danger
- ▶ Warning
- ▶ Caution



**RURAL CHEMICAL WORD FIND**

**Foods eaten raw that need to be washed before eating on chemicals**

- ▶ Apple
- ▶ Lettuce
- ▶ Grape
- ▶ Pear
- ▶ Peach

**States starting with "I" where you might find herbicides used**

- ▶ Iowa
- ▶ Illinois
- ▶ Idaho
- ▶ Indiana

**Signal words used on chemicals**

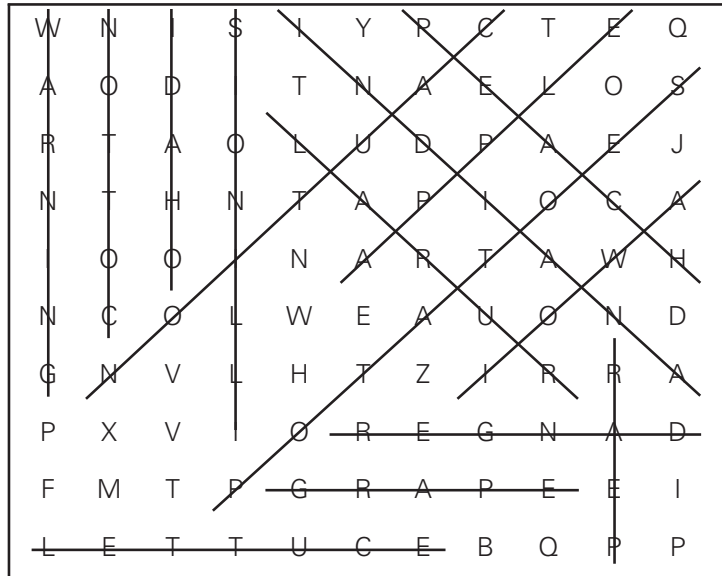
- ▶ Danger
- ▶ Warning
- ▶ Caution

**Crops where insecticides may be used**

- ▶ Cotton
- ▶ Potatoes

**Another word for "country"**

- ▶ Rural



**CHEMICAL SAFETY WINDOWBOXES**

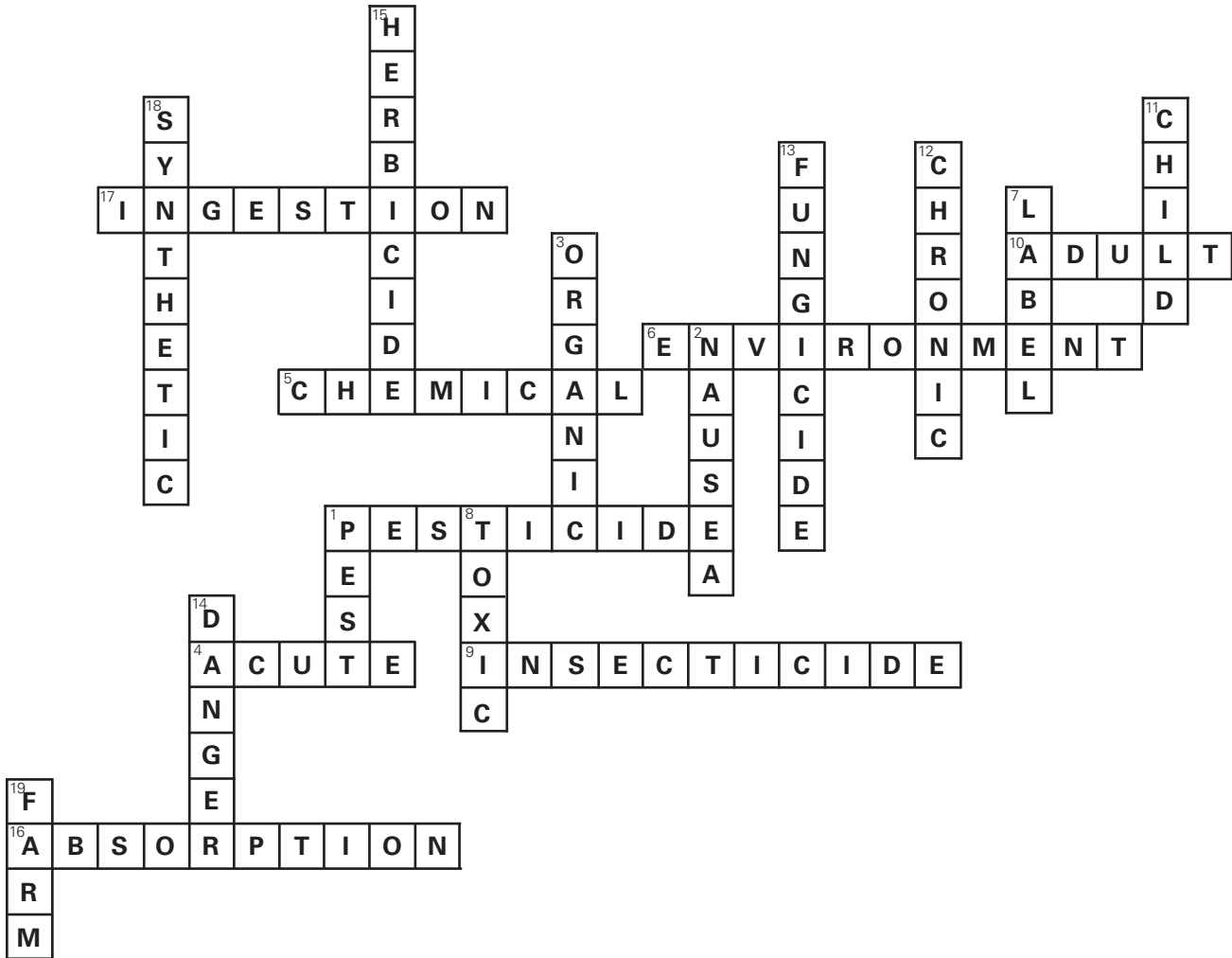
- |         |         |
|---------|---------|
| 1. Food | 5. Lock |
| 2. Pest | 6. Soil |
| 3. Home | 7. Skin |
| 4. Safe | 8. Lawn |

**CHEMICAL SAFETY SQUARE EIGHTS**

- |             |   |             |   |
|-------------|---|-------------|---|
| 1. Chemical | F | 5. Residues | E |
| 2. Benefits | C | 6. Children | A |
| 3. Reaction | B | 7. Exposure | G |
| 4. Organism | H | 8. Toxicity | D |



RURAL CHEMICAL CROSSWORD



**Across**

1. Substance to destroy pests
4. Sudden and severe reaction
5. Natural or synthetic substance used to create a reaction
6. Surroundings or location
9. Substance used to kill insects
10. Mature person
16. Exposure through the skin
17. Exposure by eating a substance

**Down**

1. Nuisance item
2. Symptom of excessive pesticide exposure
3. Produced without the use of chemicals
7. What to have when calling the Poison Control Center
8. Deadly or contaminated effect
11. Young person
12. Cumulative and ongoing reaction
13. Substance used to destroy fungi
14. Most toxic of the chemical signal words
15. Substance used to kill unwanted plants
18. Artificially produced item
19. Rural location where chemicals are often used

