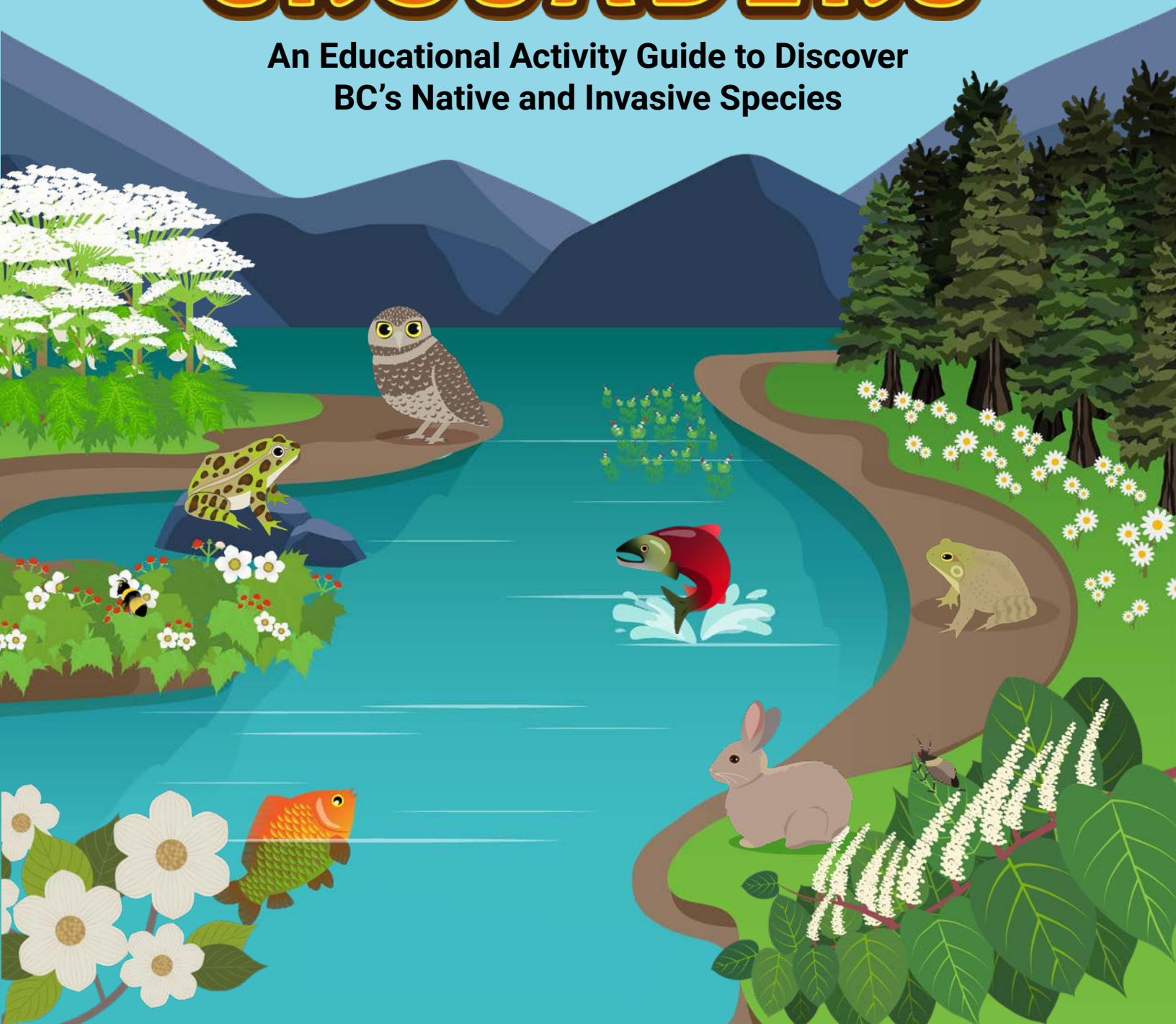


INVADER CRUSADERS

An Educational Activity Guide to Discover
BC's Native and Invasive Species





Healthy landscapes and communities free of invasive species.

The Invasive Species Council of BC (ISCBC) is a registered charity and non-profit society that is making a difference in the lives of all British Columbians. Our mission is to take action to build healthy landscapes, including habitats and communities, through education and responsible practices to prevent the spread of invasive species.

This learning resource was developed in part by ISCBC's youth volunteer leaders. Youth volunteers work throughout British Columbia to build awareness of native and invasive species for the protection of our habitats and communities.

ISCBC's youth volunteer contributors are:

- Rachelle Demetrick
- Heather Vermey
- Lauren Letham
- Amanda Ziegler
- Ava Arends
- Aditi Gupta
- Megan Blackmore
- Corrine Giorgetti
- Kiera Duffy

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Canada



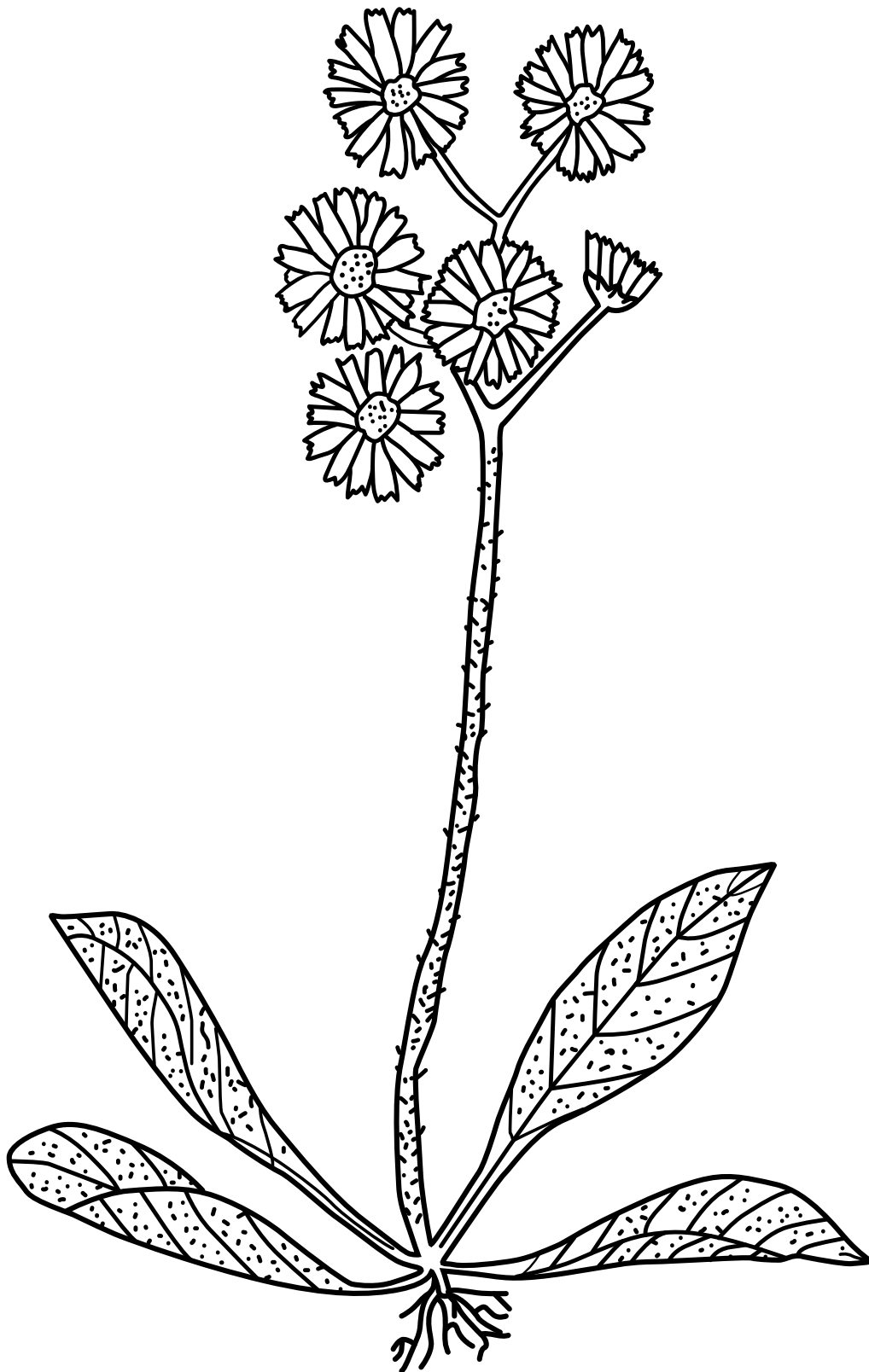
European starling (*Sturnus vulgaris*)

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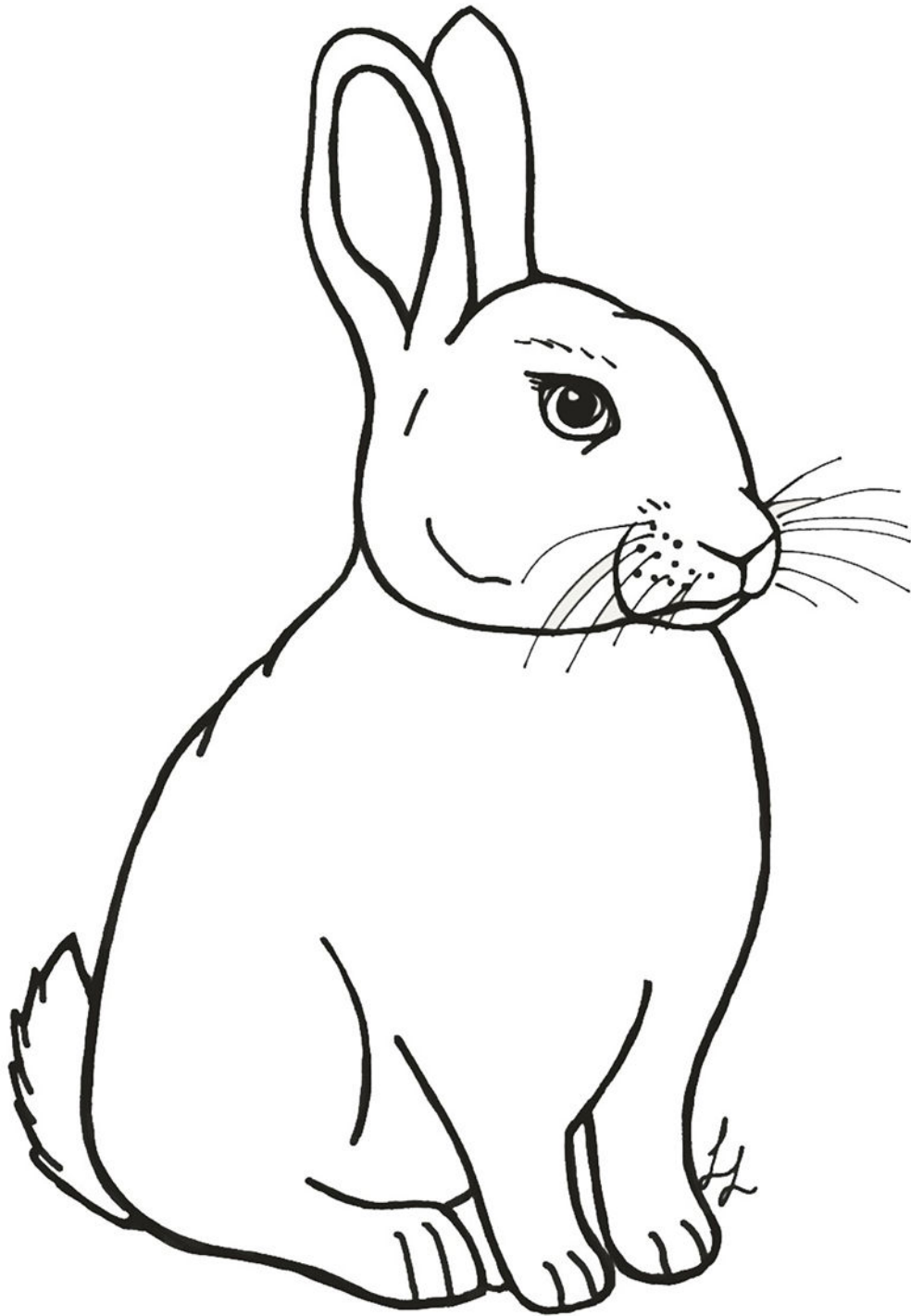
Orange hawkweed (*Hieracium aurantiacum*)

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European rabbit (*Oryctolagus cuniculus*)

INVASIVE



Native Plant Word Search

You can learn to spot and recognize these plants. Care for native plants and report the invasive ones!

Names of some of our native British Columbian plants can be read from left to right, top to bottom, and diagonally. *(Answers on Page 27)*

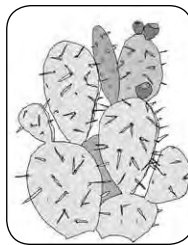
V	T	P	R	B	U	N	C	H	G	R	A	S	S	M	Q	U	G
T	P	R	I	C	K	L	Y	P	E	A	R	C	A	C	T	U	S
I	R	P	W	N	W	Y	B	A	L	D	E	R	C	N	G	L	N
G	B	I	C	B	A	L	S	A	M	R	O	O	T	Z	O	R	F
E	N	Y	L	E	W	Z	T	X	M	Z	T	G	T	W	L	T	J
R	H	J	F	L	V	C	A	T	T	A	I	L	G	D	D	X	I
L	R	I	V	T	I	L	U	K	Q	H	J	V	E	I	E	P	C
I	V	O	V	B	I	U	F	I	R	E	W	E	E	D	N	S	U
L	R	A	D	W	V	J	M	A	S	S	S	B	N	L	R	M	I
Y	W	B	U	N	C	H	B	E	R	R	Y	D	Q	F	O	Z	U
O	O	W	J	D	S	L	L	K	F	D	K	J	A	G	D	T	B



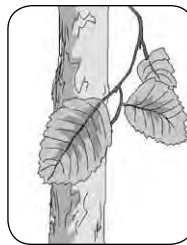
Cattail



Goldenrod



Prickly Pear
Cactus



Alder



Fireweed



Tiger Lily



Balsamroot



Bunchberry



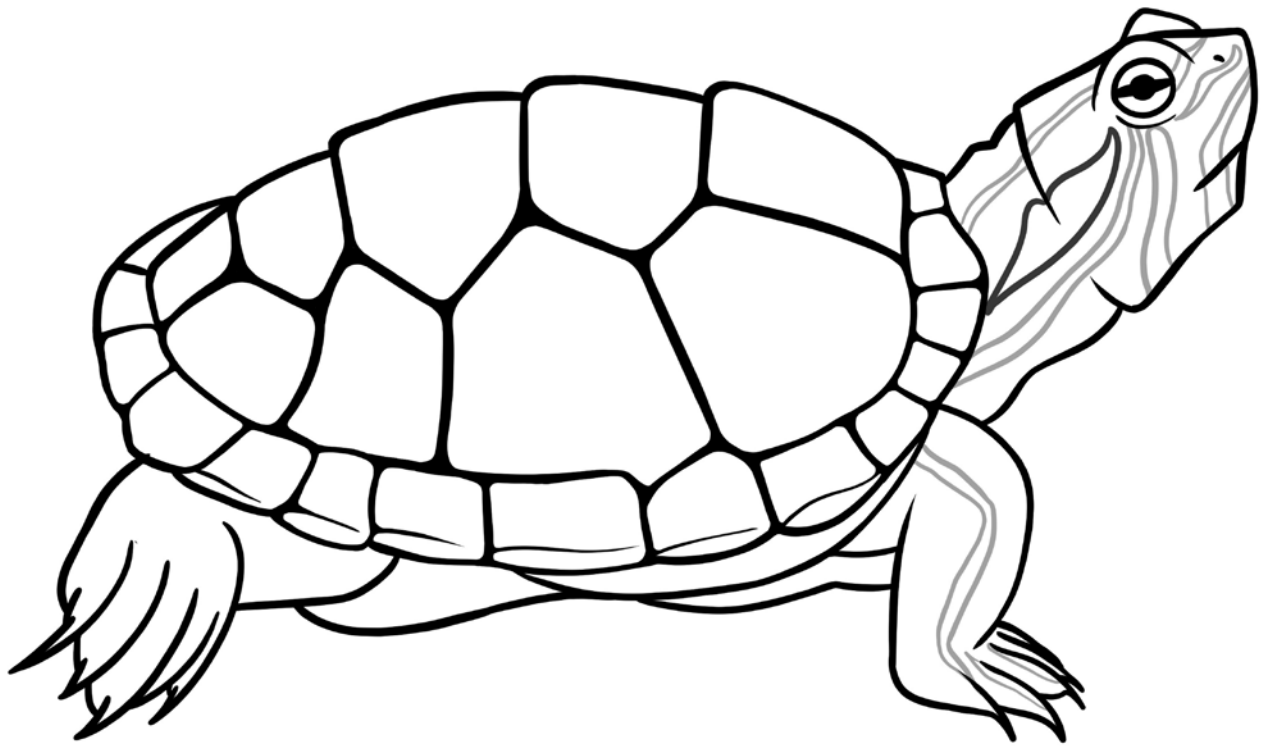
Trillium



Bunchgrass

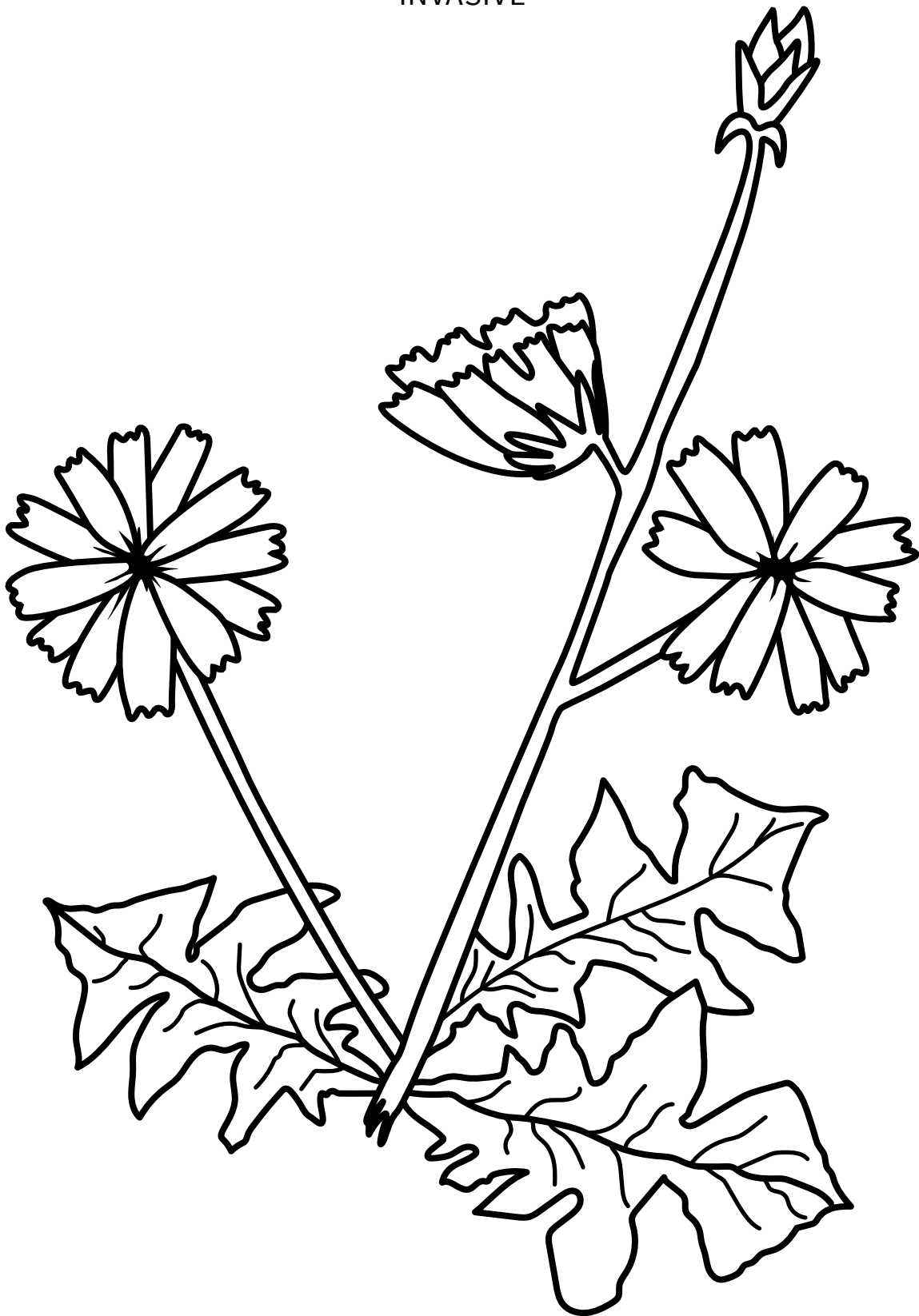
Red-eared slider (*Trachemys scripta elegans*)

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Chicory (*Cichorium intybus*)

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Invasive Plant Word Search

Invasive plant names can be read from left to right, top to bottom, and diagonally.

(Answers on Page 27)

O	J	H	N	C	B	Z	M	R	Q	T	C	N	Y	X	T	I	G
R	M	O	G	A	G	I	A	N	T	H	O	G	W	E	E	D	C
A	F	U	O	N	F	U	D	D	K	E	M	G	B	Q	P	E	R
N	P	N	X	A	O	B	C	P	B	N	M	G	O	R	S	E	K
G	P	D	E	D	H	R	I	U	Q	F	O	N	Z	M	A	F	N
E	O	S	Y	A	G	L	J	J	O	O	N	T	P	P	F	F	A
H	T	T	E	T	W	U	I	Y	X	Y	T	Z	W	M	F	R	P
A	V	O	D	H	Z	H	B	N	G	N	A	O	M	E	C	U	W
W	X	N	A	I	L	D	L	Z	T	B	N	F	Y	V	E	C	E
K	T	G	I	S	E	A	Q	C	A	D	S	H	R	Z	H	D	E
W	Z	U	S	T	A	V	G	O	J	S	Y	Q	D	P	B	H	D
E	B	E	Y	L	B	B	L	E	A	F	Y	S	P	U	R	G	E
E	D	H	Y	E	L	L	O	W	F	L	A	G	I	R	I	S	Z
D	Z	J	S	D	K	J	F	K	N	N	C	N	V	C	N	Q	I
C	P	U	R	P	L	E	L	O	O	S	E	S	T	R	I	F	E



Yellow Flag
Iris



Canada
Thistle



Knapweed



Oxeye Daisy



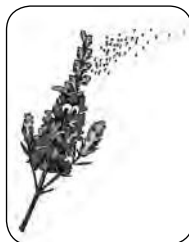
Gorse



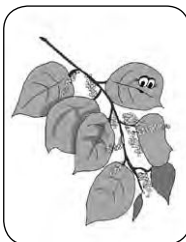
Leafy Spurge



Hounds
Tongue



Purple
Loosestrife



Knotweed



Giant
Hogweed



Common
Tansy



Orange
Hawkweed

Silhouettes

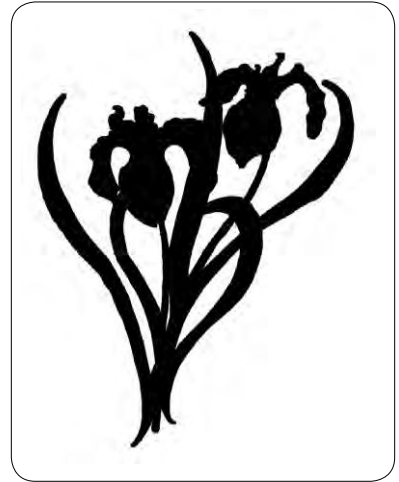
List the name of each plant's silhouette using the Invasive Plant Word Search (page 9).
(Answers on Page 27)



1. _____



2. _____



3. _____



4. _____



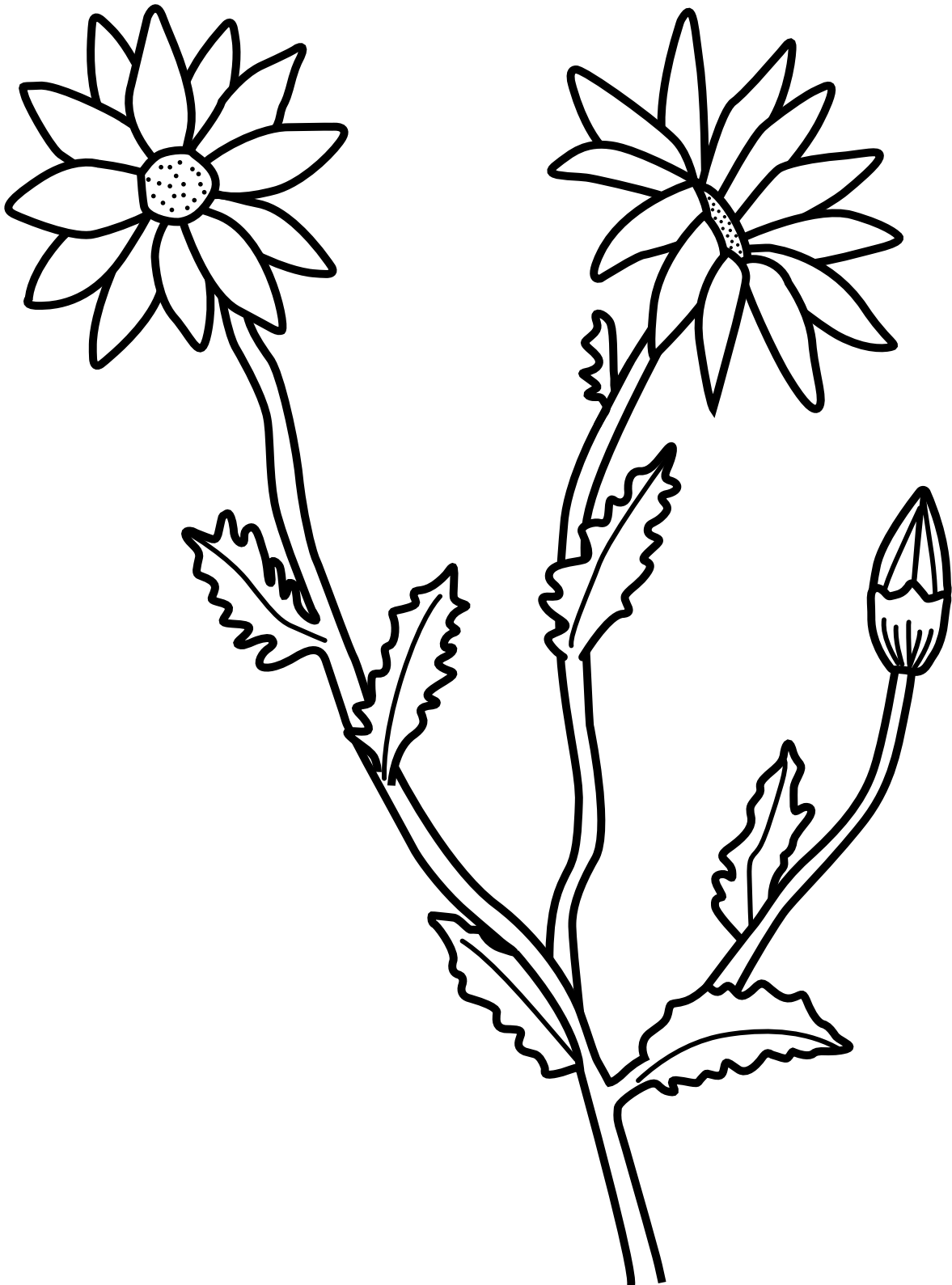
5. _____



6. _____

Oxeye daisy (*Leucanthemum vulgare*)

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Secrets of Invaders' Success

Match numbers to the correct corresponding letters to learn why invasive plants can take over and spread far and wide. (Answers on Page 27)

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

1. Tough Guys Invasive plants grow well where native plants don't, such as beside roads, in _____ pits and on _____ ground.
(7 18 1 22 5 12) (2 1 18 5)

2. Power in Numbers Invaders multiply quickly. A single plant can produce _____ of seeds a year.
(20 8 15 21 19 1 14 4 19)

Roots spread underground and send up new shoots. Plant invasions _____ as more and more new _____ grow from roots and new plants grow from _____.
(5 24 16 1 14 4) (19 8 15 15 20 19) (19 5 5 4 19)

3. No Predators Many _____ feed on only certain kinds of plants. When a plant is moved to another part of the world where animals don't know to eat it, the plant spreads quickly. Invasive plants often taste _____ or are _____.
(9 14 19 5 3 20 19) (2 1 4) (16 18 9 3 11 12 25)

Get This!

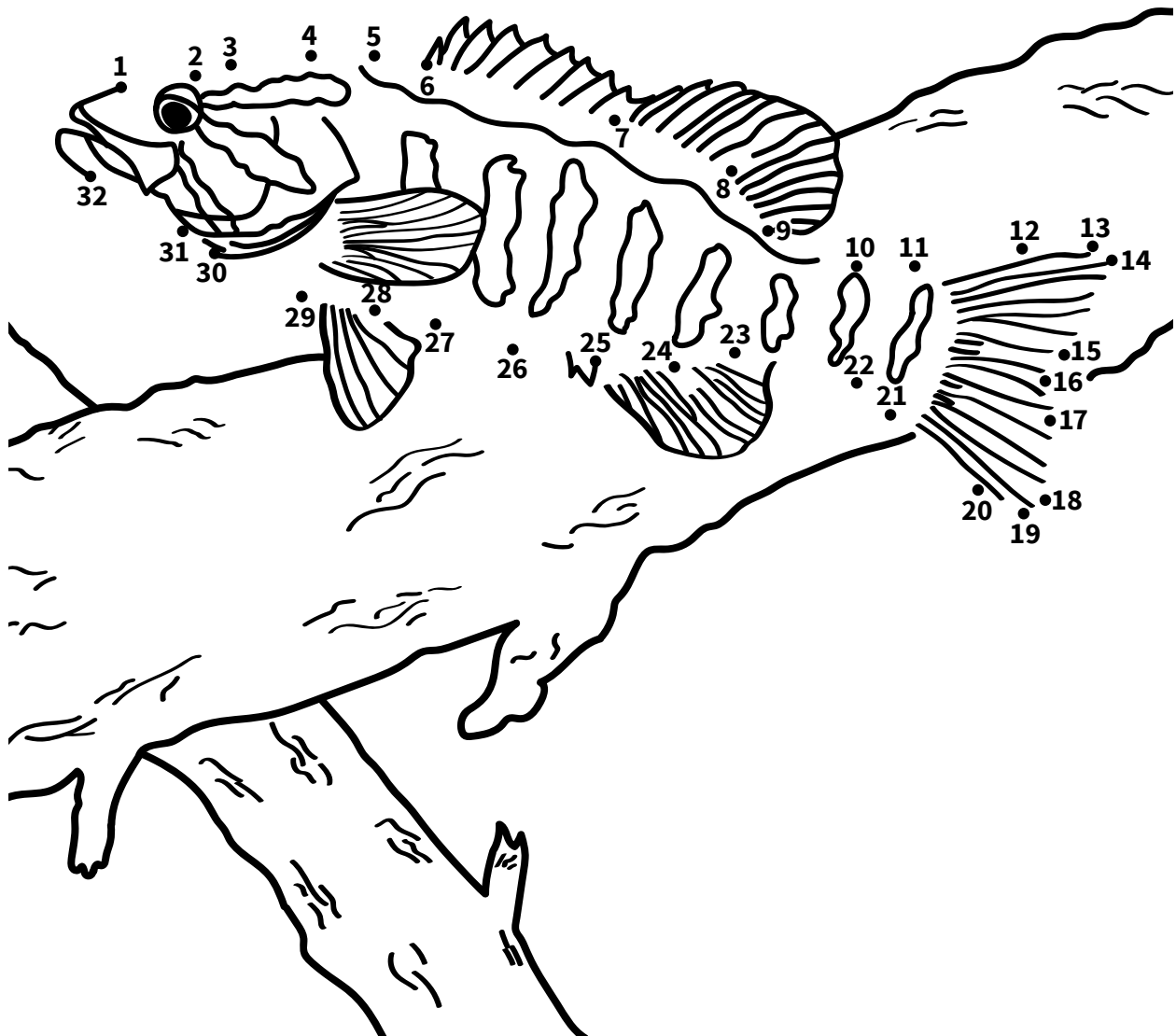
Purple loosestrife, an unwanted invasive plant:

1. Can make 300,000 seeds in one plant in one year.
2. Has more than 120 different kinds of insects that feed on it in Europe where it's from but has next to none here.



Smallmouth bass (*Micropterus dolomieu*)

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American bullfrog (*Lithobates catesbeianus*)

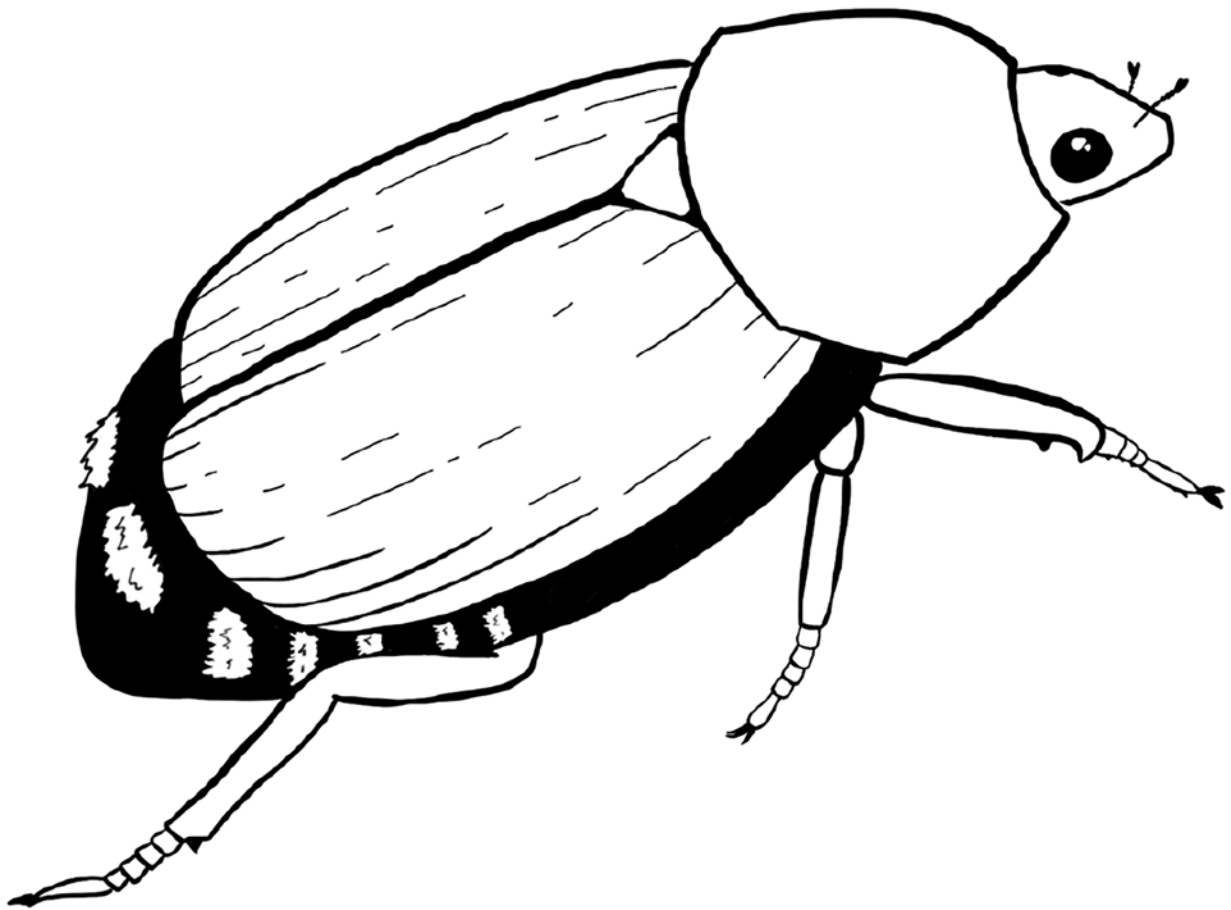
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Japanese beetle (*Popillia japonica*)

INVASIVE



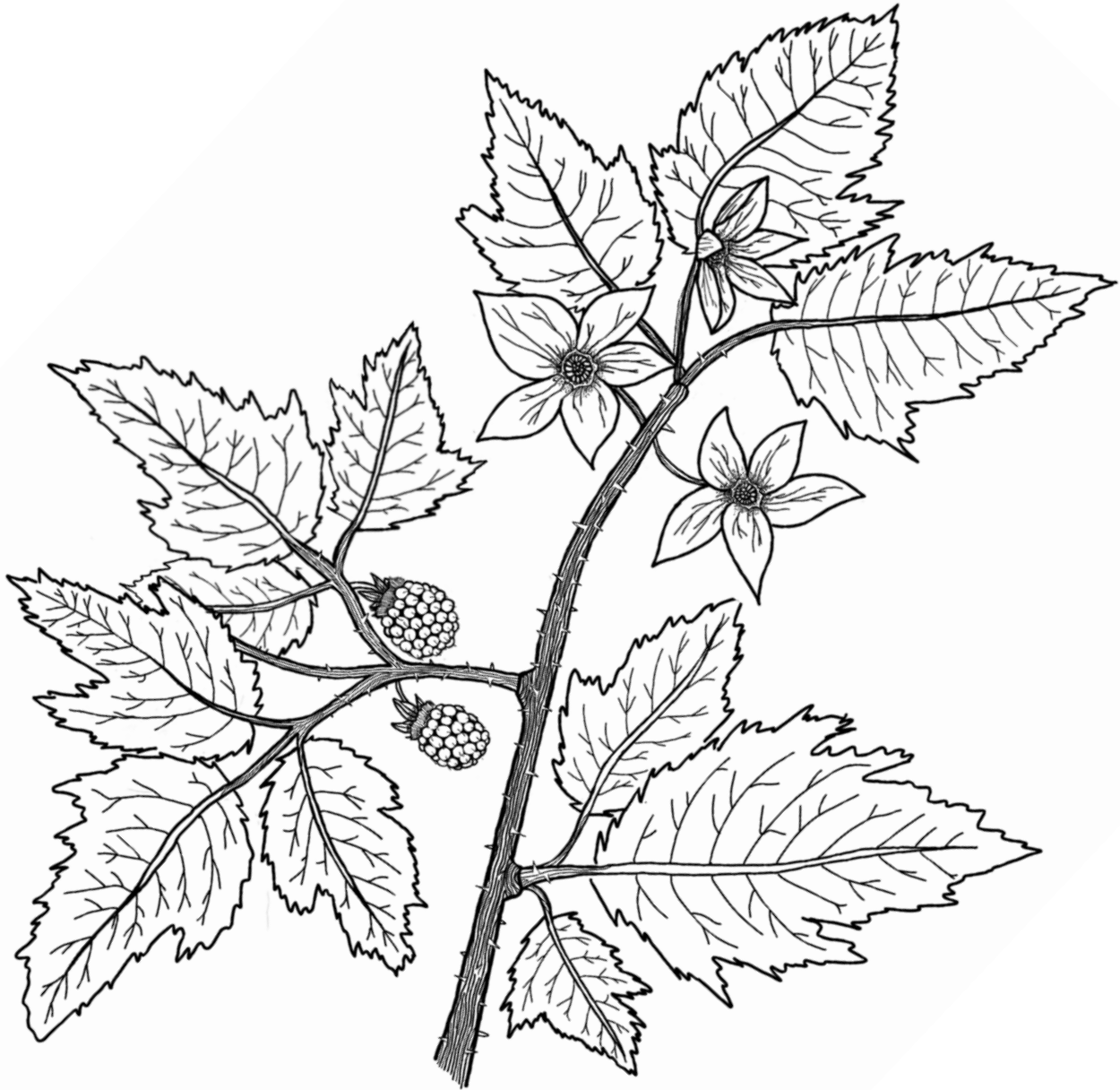
Plant Invaders

Invasive plants can create challenges for people, animals and native plants. **Find and circle** all the problems where these bully plants have taken over. Clue: There are **8 problems** to look for. (Answers on Page 27)



Himalayan blackberry (*Rubus armeniacus*)

INVASIVE



Slow the Spread

We can make a difference! Unscramble the tips on how to slow the spread by using the clues.

(Answers on Page 27)

Throw plants with seeds in one of these to prevent seed spread.

EGGARAB GAB

Biking on existing “_____” prevents spread of seeds and plant parts.

STRALI

What goes in, comes out! Feed your horse weed-free “_____.”

AHY

By learning to do this, you can spot and report invasive species.

NOGRECIZE

Do this, roots and all.

LUPL

This is the best way to deal with invasive plants.

NEVERPTION

Pull these off your shoe laces or dog’s fur and throw into the garbage.

RUBR

Do this at 1-888-WEEDSBC if you find invasive plants.

ERPROT

Wear these to protect your hands when pulling out invaders from the soil.

SLOVEG

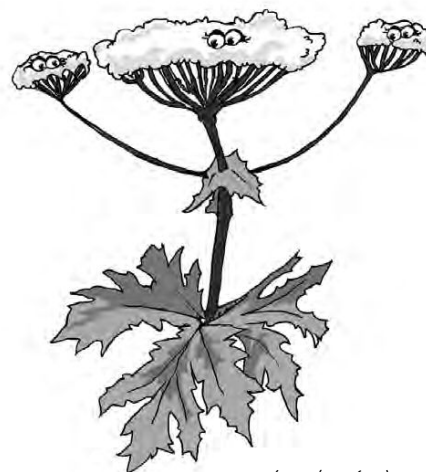
Do this when you are happy about making a difference by helping nature.

SMEIL!

Number Crunching

One giant hogweed plant can produce 50,000 seeds per year! These seeds can still grow even after sitting around for 15 years!

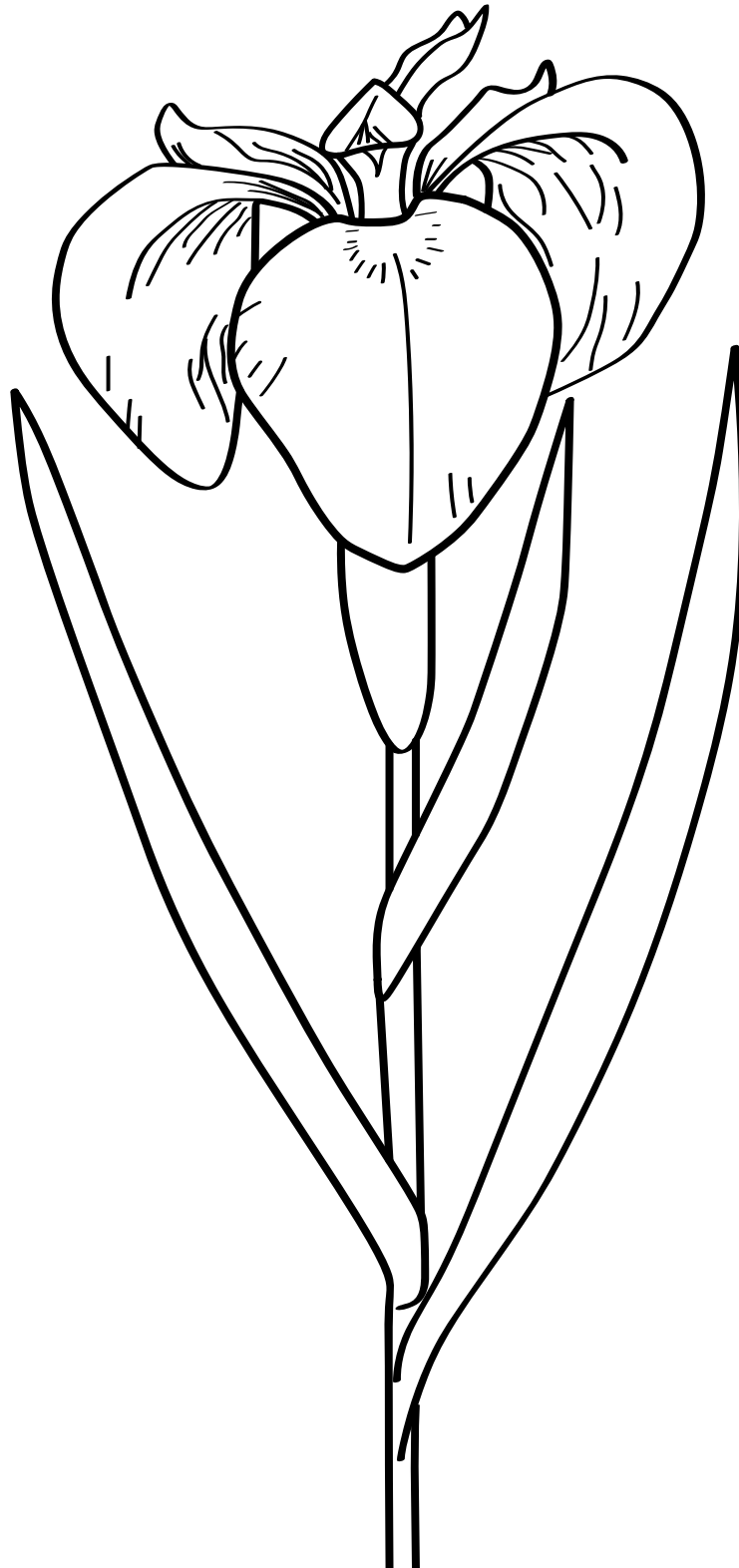
Question: If each seed was worth a penny, and there are 100 pennies in a dollar, how many dollar’s worth would you have with one plant?



Answer - \$500 (50,000/100)

Yellow flag iris (*Iris pseudacorus*)

INVASIVE



Eastern grey squirrel (*Sciurus carolinensis*)

INVASIVE



Boot with burdock (*Arctium minus*)

INVASIVE



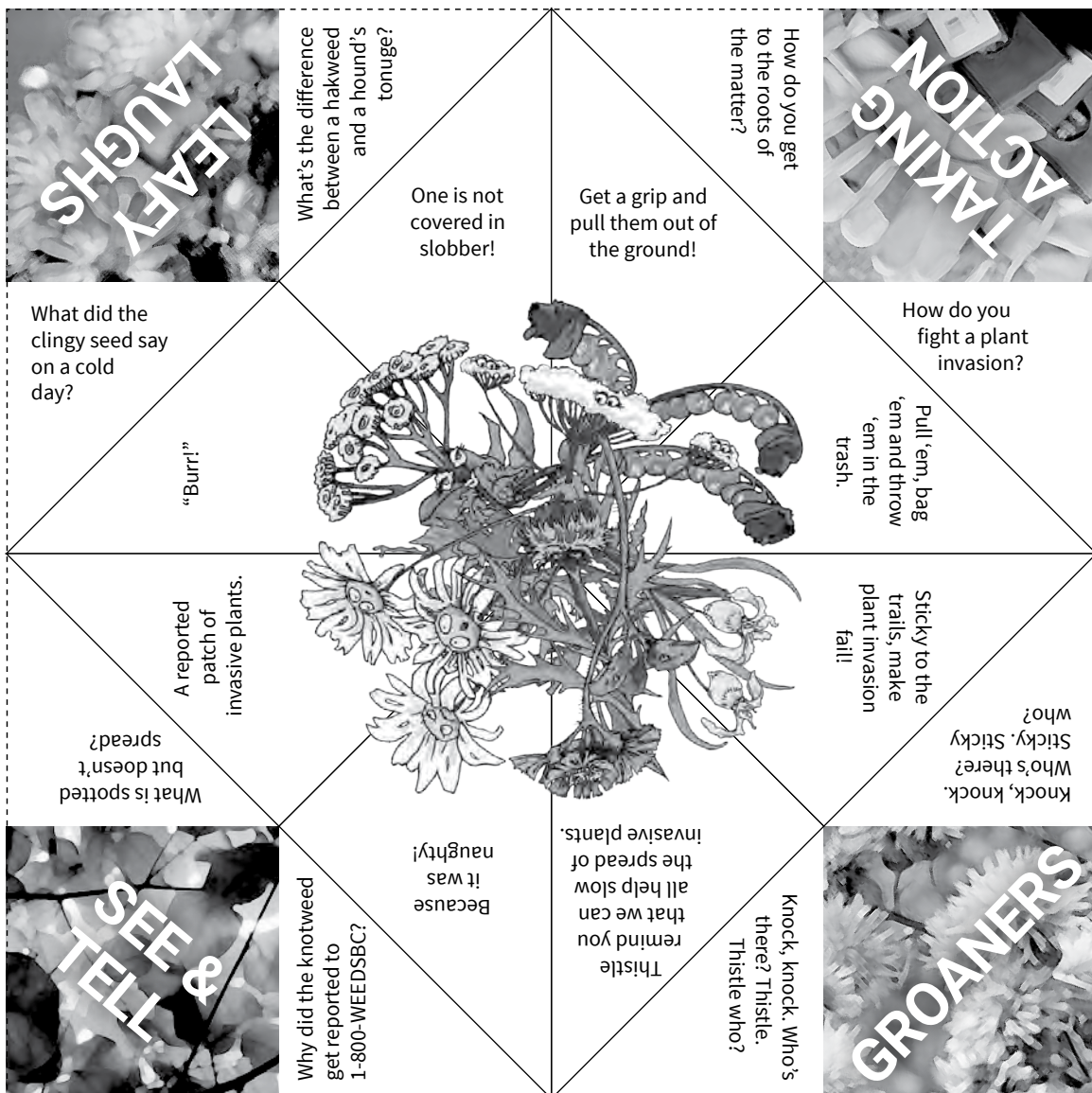
Weedy Widget

Folding Instructions:

1. Cut along the dotted line.
2. Place Weedy Widget this side down (side with most writing).
3. Now, fold each corner to the centre so that you have a smaller square.
4. Turn the folded square over and fold each corner to the centre again.
5. Fold this square in half to crease it. Undo that fold and fold in half the other way.
6. Using both hands, place your thumbs and index fingers under the flaps.

How to Play:

- This game is for 2 players. Ask the other player to pick a topic, like "Leafy Laughs."
- Open and close the Weedy Widget in an alternating direction for each letter of the phrase
- L E A F Y L A U G H S (11 times).
- Ask the question under the chosen topic and let the other player answer. Lift the flap to find the answer.
- Now pass the Weedy Widget to the other player. Alternate asking and answering until all the questions are answered.

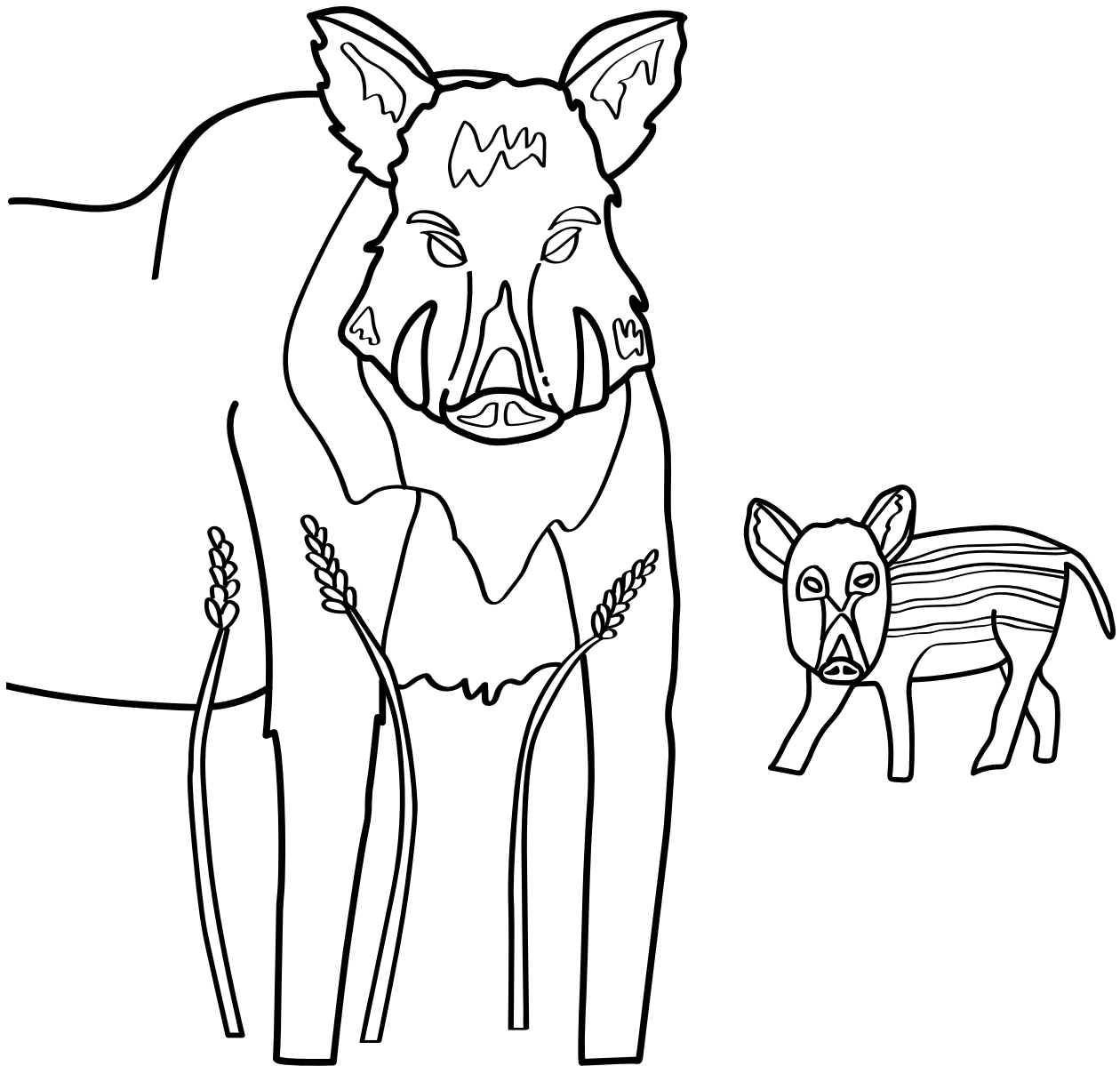


Weedy Widget



Feral pig (*Sus scrofa*)

INVASIVE



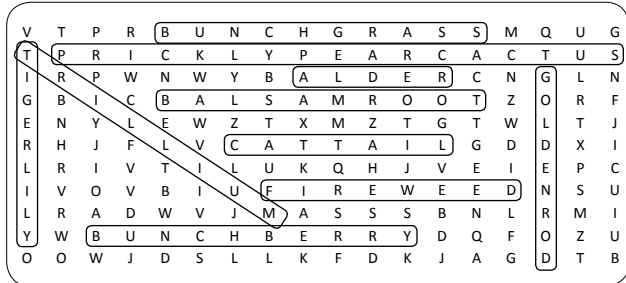
Clean Drain Dry



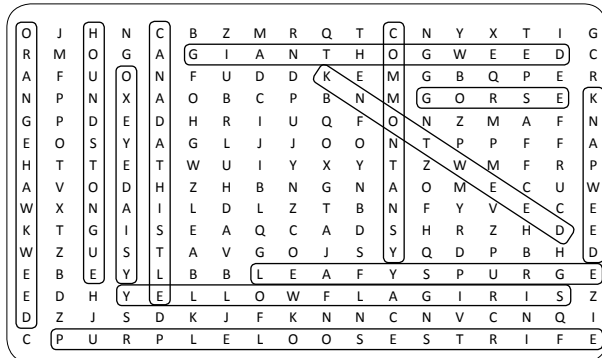
To learn more about our CDD program, visit:
bcinvasives.ca/cleandraindry

Answers

Native Plant Word Search Page 6



Invasive Plant Word Search Page 9



Silhouettes Page 10

1. Knapweed
2. Purple Loosestrife
3. Yellow Flag Iris
4. Canada Thistle
5. Common Tansy
6. Oxeye Daisy

Secrets of Invaders' Success Page 12

1. **Tough Guys:**
gravel, bare
2. **Power in Numbers:**
thousands, expand, shoots, seeds
3. **No Predators:**
insects, bad, prickly

Plant Invaders Page 17



1. Boat tangled in aquatic invasive plants
2. Burrs on dog fur
3. Bike with flat tire from prickly plant
4. Sore thumb from a thistle prickle
5. Invasive plants escaping from garden
6. Berry patch invaded by invasive plant
7. Agricultural field with invasive plants
8. Livestock searching for grass to eat

Slow the Spread Page 19

1. Garbage Bag
2. Trails
3. Hay
4. Recognize
5. Pull
6. Prevention
7. Burr
8. Report
9. Gloves
10. Smile

