

Plant Life in the Cold

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

Clues:

- This protects the living cells in trunks and limbs of trees
- These plants produce a basal rosette of leaves that hug the ground through winter
- These slowly swell on tree branches through winter
- The main type of forest that we have in Loudoun
- This group of plants carries on limited photosynthesis on milder sunny days of winter
- Seeds of some plants remain viable for ___ years or more
- Seeds survive well through winter because they lack this
- Rhododendrons have dense ___ on the underside of their leaves
- Some evergreens like holly fortify their leaves by making them ___
- A butterfly that overwinters as an adult in leaf litter
- Another butterfly that overwinters as an adult
- This plant type overwinters underground and sprouts anew in the spring
- This sticky substance in pines acts as an antifreeze for their needles
- Annuals die at the end of the season leaving their genes to thrive on in these
- A plant that flowers up through the snow and ice in late winter



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