

How are living things classified?

W	ny are scientific names important? Give four functions for scientific names.
b.	
	tions: Use the key to species of birch trees below to answer the questions that follow.
	Key to Species of Birch Trees
). bark dark, reddish-brown, yellowish-brown to black, go to 2). bark creamy white, pinkish, or gray, go to 6
	. bark and twigs with wintergreen fragrance when cut, go to 3
	bark and twigs without a fragrance when cut, go to 5
	. leaves with 8-12 pairs of veins, go to 4
	eaves with 4-6 pairs of veins, Betula uber
	bark dark red to almost black; scales smooth, 6-12 mm long, Betula lenta
2	b. bark reddish brown, peeling in loose, ragged sheets, scales hairy, 5-7 mm, Betula alleghaniensis
	 branchlets covered near tip with many small glands, Rocky Mountains or Western Canada, Betula occidentalis branchlets smooth, shiny, no glands present, eastern U.S., Betula nigra
	leaves hairy on lower surface, go to 7
	e. leaves smooth, hairless underside, go to 8
	. leaves 5-13 cm long, pointed tip, <i>Betula papyrifer</i>
	. leaves 3-7 cm long, pointed tip, winter buds shiny, <i>Betula pendula</i>
a	bark dull gray to grayish-white, smooth and not peeling, Betula populifolia
	bark white to pinkish-white, peeling, go to 9
b	
b a	. leaves 6-10 cm, round base, <i>Betula caerulea</i> . leaves 3-5 cm, squared base, <i>Betula pubescens</i>

6. When a twig of Betula nigra is broken, does it give off a wintergreen fragrance?