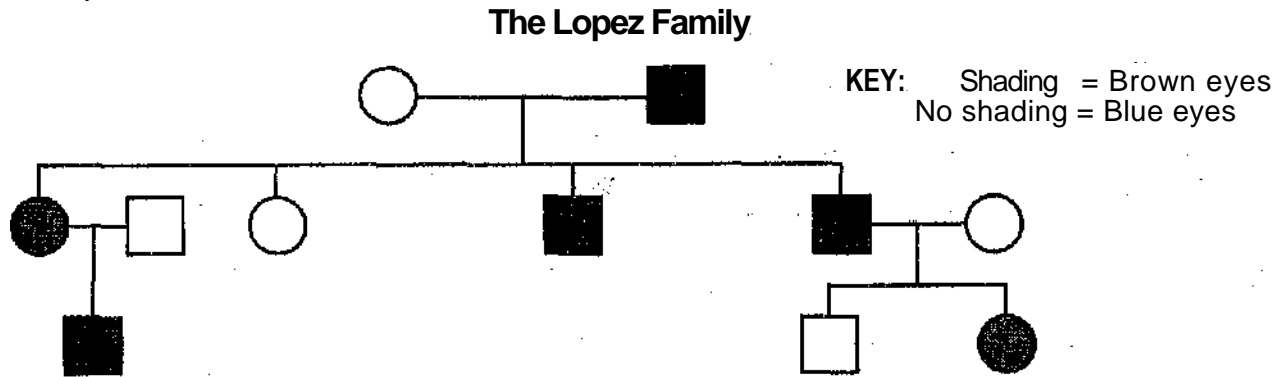


HEREDITY

PEDIGREE—The geneticist’s tool

Use the diagram to answer the following questions. The shaded parts of the diagram are used to identify family members who have brown eyes. The unshaded parts represent members of the family who have blue eyes.



- 1] What is the diagram called? _____
- 2] What do the circles represent? _____
- 3] How many children did Mr. and Mrs. Lopez have? _____
- 4] How many of the Lopez children were males? _____
- 5] Was the oldest Lopez child a girl or a boy? _____
- 6] What color are Mrs. Lopez's eyes? _____
- 7] How many of the Lopez children have blue eyes? _____
- 8] How many generations of the Lopez family are shown on the diagram? _____
- 9] What color eyes does the granddaughter of Mr. and Mrs. Lopez have? _____
- 10] What color eyes occur more frequently in the Lopez family, brown or blue? What might this suggest? (2pts) _____