

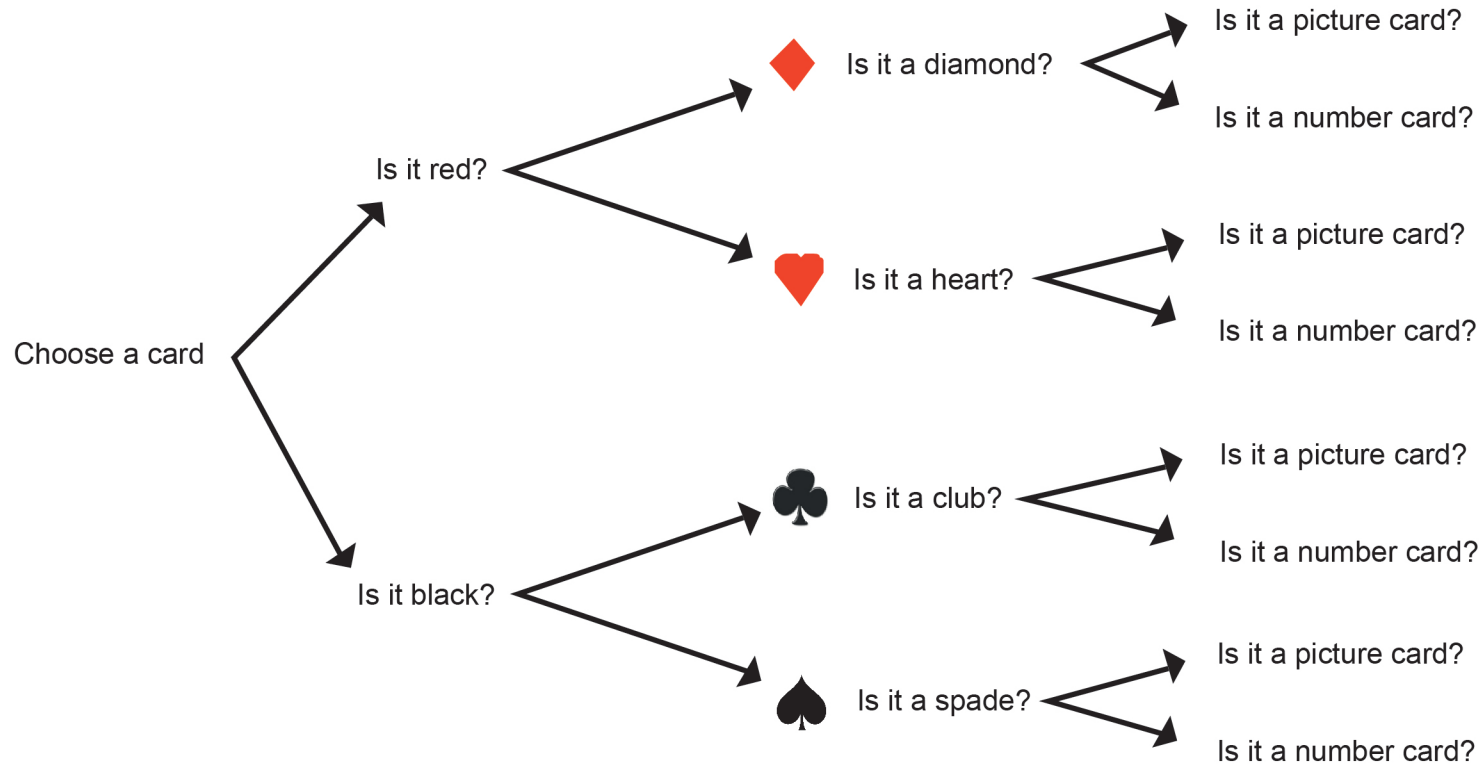
Name: ..... Class: ..... Date: .....

Lesson 2: Classification keys

Worksheet:

## Card tricks

Scientists often need to break a group of objects into smaller groups in order to classify them. They do this by making a **dichotomous classification key**. You can use a classification key to determine which card a person has selected from a deck of cards.



Try and extend this key to determine the card your partner is holding in fewer than ten questions.

What is the least number of questions you need to ask to determine the specific identity of the mystery card?