



# Classifying the Universe

Learning to separate the structures of the Universe

Activity - Before visiting the Observatory

#### **Material List:**

12 picture-cards and
 12 word-cards handed
 out by the teacher

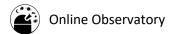
### **Outline**

In this activity you will be tested in your knowledge of how to classify different objects that can be observed in the universe, so that you are well-equipped for observing these structures on your own.

You should beforehand have been presented by the teacher with different ways of identifying each kind of structure. A reminder of these can be seen at the end of this hand-out under Further Resources.

## Procedure:

- Divide into groups of two.
- <u>Lay all 12 picture-cards on a table</u>, such that the word-side is facing the table and the
  picture-side is facing upwards for you to see. They don't need to be arranged by
  structure. The more randomly they are distributed, the better.
- Put the remaining 12 word-cards in a pile and <u>take turns drawing one word-card</u> from this pile.
- When a card has been drawn from the pile, the student who has drawn it must then find a picture-card with an object that corresponds to the word-card.
- Once a picture-card has been chosen, it can be flipped to see on the back, whether the word corresponds to the word-card.
- If the match is correct, the picture-card is removed and this now belongs to the student along with the word-card and counts as one point.
- If the match is incorrect, the picture-card is flipped back, so that the picture faces upwards again and the word-card is put at the bottom of the word-card pile.





• The game continues until all of the picture-cards have been matched up with a word-card and the student with the most points win.

#### **Assessment:**

- Which structures were hard to identify and why?
- Were there any structures that you repeatedly misidentified?
- Can you come up with other ways of separating and identifying the types of objects?

## **Further Resources:**

