



# Lab Study: Marine Taxonomy

## Activity Outline

### Year Level 7-9

In this activity students work collaboratively to observe and classify a range of marine organisms and develop simple classification keys. Students also record physical characteristics of a variety of marine species through illustrated diagrams. Students learn to make links between organism structure and function and lifestyle characteristics.

### Key Understandings

- Living things can be differentiated and identified using various characteristics; classification helps organise this diversity.
- Multi-cellular organisms contain systems of organs that carry out specialised functions that enable them to survive and reproduce.

### Key terms

Taxonomy, adaptation, physiology, function, classification, phylum, class, community, diversity.

### Student Outcomes: Science;

Year 7: ACSSU111, ACSIS124, ACSIS125, ACSIS126, ACSIS129, ACSIS131, ACSIS133

Year 8: ACSSU150, ACSIS139, ACSIS140, ACSIS141, ACSIS145, ACSIS234

Year 9: ACSSU175, ACSSU176, ACSIS164, ACSIS165, ACSIS166, ACSIS170, ACSIS171

### Key competencies

- Working scientifically
- Collecting, analysing and organising information
- Communicating ideas and information
- Using technology
- Working with others and in teams