Ocean Answers: Words and Features

Fixed answers for the vocabulary clues and the five numbered leader lines.

Page 3: word meanings, from top to bottom

1. E: observe - look closely and notice details

2. A: surface - the top of the water

3. D: shell - a hard covering on an animal

4. F: predict - say what you think might happen

5. B: seabed - the bottom of the sea

6. C: flipper - a broad, flat limb used for swimming

Page 4: turtle features

1. head

2. shell

3. front flipper

4. rear flipper

5. tail

The diagram shows a top view. The longer pair near the head are the front flippers; the smaller pair near the tail are the rear flippers. Both pairs are part of the same animal. Sea turtles must surface to breathe air.

Scientific background: NOAA Fisheries, Green Turtle. The cover is an illustration; use the labelled top-view diagram for the task.

Ocean Answers: Maths and Patterns

Counts and calculations checked against the exact printed data.

Page 5: pictured reef survey

Fish: 5 Crabs: 4 Sea stars: 3

Total: 5 + 4 + 3 = 12. Most: fish.

Fish compared with sea stars: 5 - 3 = 2 more fish.

Page 6: number stories

1. 5 + 3 = 8

2. 7 - 2 = 5

3. 4 + 2 = 6

4. 9 - 4 = 5

Page 7: the next unit in each pattern

1. fish, shell

2. sea star, shell, shell

3. crab, crab, fish

4. fish, shell, sea star

These are also the smallest repeating units. Accept simple recognisable drawings. The explanation should name the chosen row and its unit in the correct order. Do not require detailed animal drawings to assess a pattern.

Sea-star diagrams here have five arms; NOAA notes that other sea-star species can have more arms.

Ocean Answers: Story and Evidence

An answer must agree with the actual words or visible details provided.

Page 8: A Message on the Shore

1. Dad.

Evidence: “Zara and Dad stopped on the dry path above the beach.”

2. Blue.

Evidence: “Zara opened her blue notebook.”

3. In a bag.

Evidence: “Dad put the wrapper in a bag until they found a bin.”

4. Their ocean book.

Evidence: “Let’s look in our ocean book at home”

Page 9: shown or cannot tell?

1. Shown: Three fish are drawn above the rock.

2. Cannot tell: The fish are hungry.

3. Shown: A crab is drawn on the seabed.

4. Cannot tell: The water feels cold.

The sketch has exactly three fish above one rock and one crab on the seabed. It gives no evidence about hunger or water temperature. Accept equivalent story answers when the meaning agrees with the text.

No imagined feelings, temperatures or wildlife sightings should be marked as observations.

Ocean Guide: Care, Observation and Report

Judge open tasks by a clear reason, visible evidence and accurate facts.

Page 10: considerate choices

1. B: Keep my wrapper for a bin.

Keeping rubbish for a bin helps stop it reaching the sea.

2. A: Watch quietly from a distance.

A respectful distance leaves the animal undisturbed.

3. B: Follow the staff’s viewing guidance.

Staff guidance helps people observe animals considerately.

4. A: Draw an animal where I see it.

Drawing records the animal while leaving it in its habitat.

Page 11: an individual source observation

Check the named source, drawing and two visible details against the actual photograph, illustration or display. Labels should point to features that are really visible. The final sentence should name something the source does not establish, such as exact size without a scale or how an animal feels. Different sources produce different answers.

Page 12: a purposeful explorer report

Look for labels that place the surface at the top of the water and the seabed at the bottom. The named animal should fit the intended ocean model. Check two facts against the supplied bank or another reliable source. The question can remain unanswered. An adult may scribe the child’s own report.

The page-10 explanation is open: accept a relevant reason. Wildlife-care guidance is based on NOAA Fisheries and NOAA marine-debris education; follow local staff or access guidance on any real visit.

No single correct drawing, ocean visit, chosen source or unanswered question is required.