

# ANSWER SHEET

**Sheet 3:** 0 hours = High Tide 6 hours = Low Tide 12 hours = High Tide 18 hours = Low Tide

**Sheet 4: Q1:** 6 Hours.

Q2: DAY 1 = Neaps (not very big tides). Day 2 = Springs (big tides)

Q3: At right angles for neaps (pulling in different directions).

Q4: In line for Springs (pulling in the same direction).

Q5. Day 2. 10.38am

**Sheet 5: Q1:** Blenny A

Q2: A. extremes of salinity, temperature, desiccation predation by birds B.

Competition for space and food; predation by fish.

Q3: B. would seem to be the most favourable habitat. However, as the blenny is adapted to cope with the harsh conditions of the upper/middle shore, the reduced competition might make it a more favourable place to live.

**Sheet 7:** Not enough space - lower

Too much salt - upper

extreme heat - upper

competition for food - lower

freezing - upper

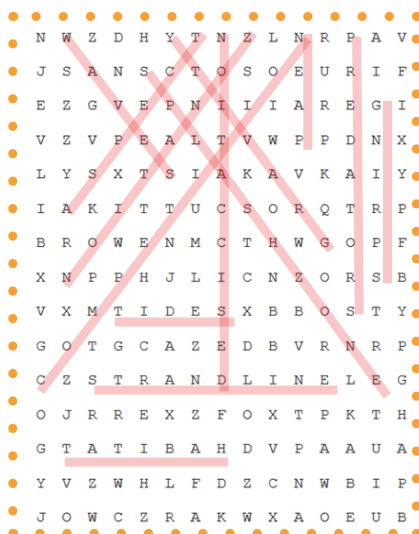
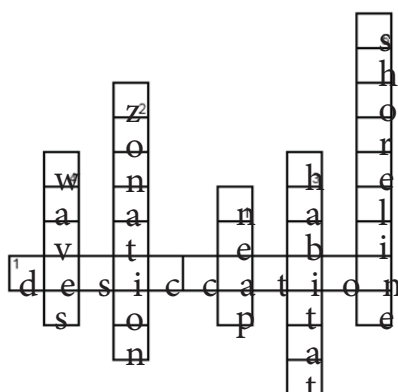
not salty enough - upper

Drying Out - upper

Not enough light - Lower

Order of labels (top to bottom): splash zone; upper shore; middle shore; lower shore; subtidal zone

**Sheet 8:**



**Sheet 9:** At least 33

**Sheet 10:** Cushionstarfish; harbour porpoise; beadlet anemone; common shore crab; dog whelk; oyster catcher

**Sheet 11:**



= Common Shore Crab



= Common prawn



= Cushion starfish



= Dog whelk



= Beadlet anemone

**Sheet 12:**

Seaweed: Bladder wrack; Kelp; Sea lettuce

Fish: Basking Shark; Blenny; mackerel

Mammals: Grey seal; Harbour porpoise;

Bottle-nosed dolphin

Invertebrates: Velvet swimming crab;

Common prawn; Flat periwinkle

**Sheet 15:**

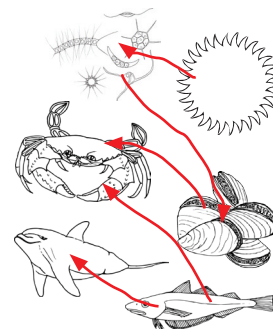
1. Producer = Seaweed; Primary consumer=

sea snail; Secondary consumer = crab

2. (left to right) 2 producer; 1 Sun

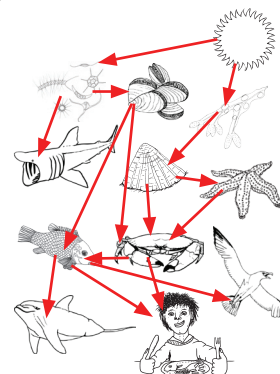
(example); 4 secondary consumer; 3 primary consumer.

**Sheet 16:**



**Sheet 17:** The arrows point from the food/energy source to its consumer

**Sheet 18:**



**Sheet 19:**

Q1: Situation dependent answer

Q2: 925 years!

Q3: Because animals use a lot of energy and resources to make large eggs making huge numbers would be impossible.

Q4: To increase dispersal and counter very low survival rates.

**Sheet 20:**



**Sheet 26:**

Q1: Low Tide

Q2: May 9th

Q3: sun hat; waterproof coat; sunglasses; Sun cream; spare clothes; food & drink; welly boots/ beach shoes

Q4: Any 3 from sheet 24

Q5: Anything that was already there when you arrived, especially living things.

"Leave only footprints"