SECTION 4 Questions 31–40

Complete the notes below.

Write ONE WORD ONLY for each answer.

	Marine renewable energy (ocean energy)
Int	roduction
Мо	re energy required because of growth in population and 31
Wh	nat's needed:
•	renewable energy sources
•	methods that won't create pollution
Wa	ive energy
Ad	vantage: waves provide a 32 source of renewable energy
Ele	ectricity can be generated using offshore or onshore systems
On	shore systems may use a reservoir
Pro	blems:
8	waves can move in any 33
•	movement of sand, etc. on the 34 of the ocean may be affected
Tic	lal energy
Tid	es are more 35 than waves
Pla	inned tidal lagoon in Wales:
•	will be created in a 36at Swansea
	breakwater (dam) containing 16 turbines
•	rising tide forces water through turbines, generating electricity
	stored water is released through 37 , driving the turbines in the reverse direction
Ad	vantages:
0	not dependent on weather
•	no 38 is required to make it work
•	likely to create a number of 39
Pro	oblem:
•	may harm fish and birds, e.g. by affecting 40 and building up sil
Oc	ean thermal energy conversion
	es a difference in temperature between the surface and lower levels ater brought to the surface in a pipe