3 Project

1 16 Listen to an interview with a CEO about nuclear power plants (NPPs) in the Republic of South Africa (RSA). Answer the questions.

1 How many jobs will be created at the new plant? _____
2 Does South Africa use renewable energy resources? Yes / No
3 How many countries are building nuclear reactors at the moment? _____
4 Apart from South Africa and Asia, in which three places are nuclear reactors going to be constructed? _____
5 How is global nuclear capacity being extended?
1) *building new plants* 2) _____
3) _____

2 16 Listen to the interview again, and complete the table.

1	Medupi nuclear power plant (NPP)	Construction cost: 125 billion rand = $ _____ bn Power output: _____ MW
2	Future NPP programme	Number of reactors: _____
3	Future requirements	Need more _____ to be trained Need for support industry for _____, _____ and _____
4	Comparative costs of NPP Cost effectiveness	One NPP costs _____ more than a coal-fired plant Cheaper to build _____ NPPs than a single one
5	Suitability of NPPs for South Africa Future fuel supply	Locally produced _____ already available Plan to _____ in RSA for NPPs
6	Renewable energy programme	Generation of an extra _____ MW
7	Cost/benefits of NPP programme, compared with coal-fired plants	*Higher* construction costs, _____ operating and maintenance costs, _____ fuel costs

3 17 Listen to a talk by an environmentalist, and answer the questions.

1 What are the benefits of the new Medupi NPP?
(1) *aesthetically stunning*
(2) close to the _____ of Medupi
(3) close to _____
(4) part of a _____
(5) construction of _____ for the _____

2 What does the risk assessment of the NPP disclose?
(1) catastrophic consequences for local population of _____
(2) serious possibility of _____

3 What is the most important environmental concern about the new NPP?
(1) imminent rise in _____
(2) NPP next to the sea _____

LIVEWORKSHEETS