

GEOGRAPHY

Paper 3 Advanced Physical Geography Options INSERT

9696/33 October/November 2019

1 hour 30 minutes



READ THESE INSTRUCTIONS FIRST

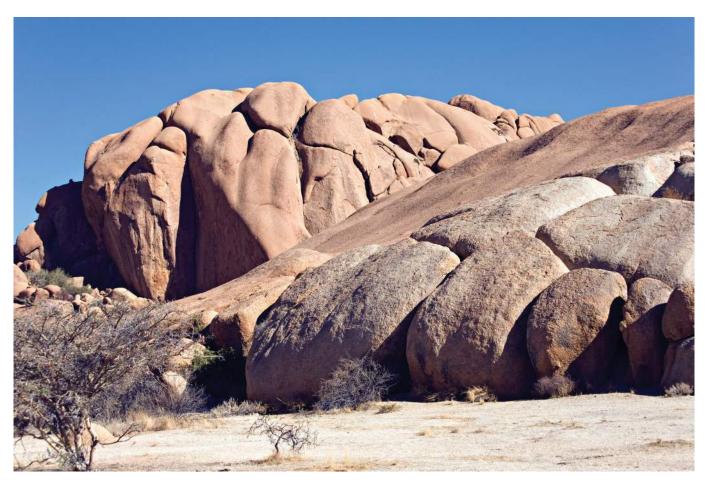
This Insert contains all the resources referred to in the questions.

This document consists of 6 printed pages and 2 blank pages.

Fig. 1.1 for Question 1

2

A landform in a tropical environment





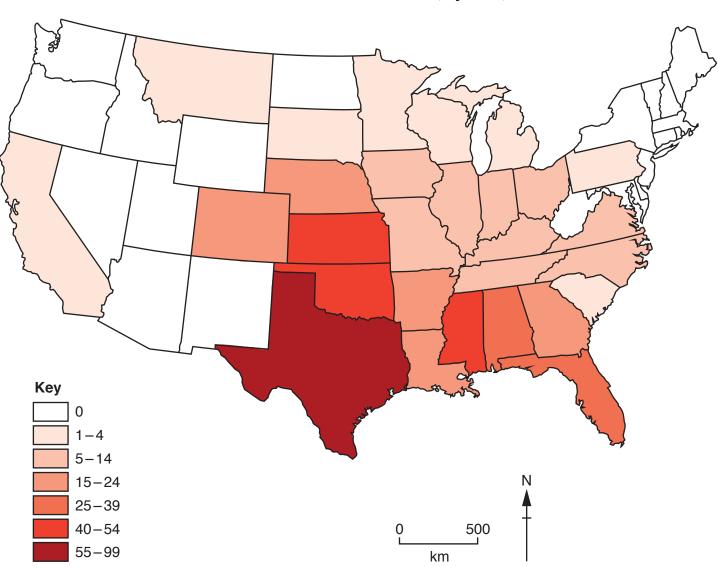
3

A model of a coastal dune system

sea		water table		soil depth		-12-4-2	В
location/type of dune	strand line	embryo dunes	fore dunes	fixed dunes	dune slack	dune scrub	woodland
approximate distance from sea (m)	0-20	20-80	80-150	150-300	300-500	variable	variable
pH at surface of soil	8.5	8.0	7.5	7.0	6.5	6.0	6.0
soil colour	yellow			yellow and grey		grey	brown
% organic content	<1	2.5	Į	5	20 >40		40
% calcium carbonate	10 8		5	1	<0.1		

Fig. 7.1 for Question 7

4



The distribution of tornadoes in the USA, by state, in 2016

https://xtremepape.rs/



5

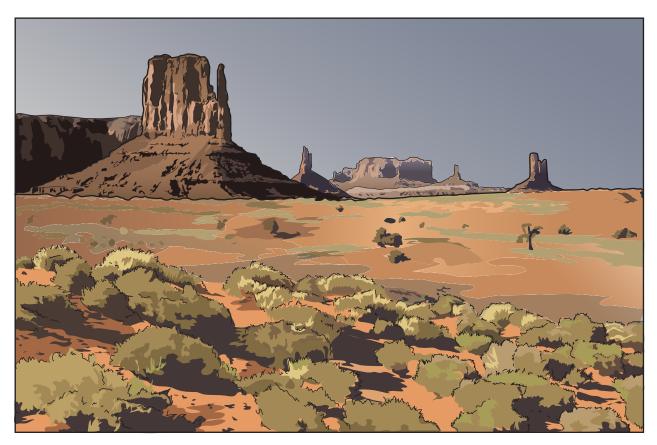
The names of the states



Fig. 10.1 for Question 10

6

Some landforms in a hot arid environment



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