

These Slides Accompany the YouTube Video Tutorial:
<https://www.youtube.com/watch?v=OgGhJ3ulk2g>

IAS Geography

2013 Paper

Paper 1
Section A

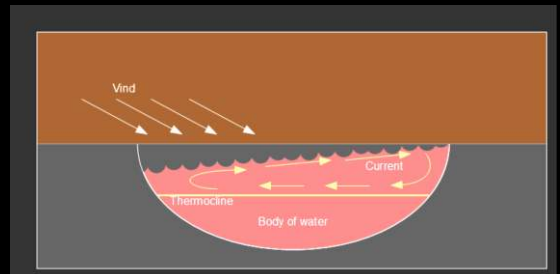
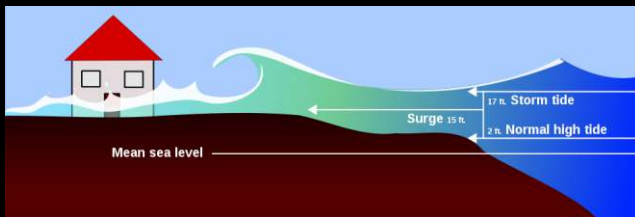
1(a) Differences between Normal cycle and Arid cycle of Davis.

<https://www.youtube.com/watch?v=klolivJ2u9c>

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1(b) Differentiate Storm Surges and Seiches.

- Seiches – Standing waves in Partially bound water bodies
- Surge – Coastal flood with low pressure weather systems



1(c) Uniqueness of fauna in the Notogean realm.

Map with Location
Australian Realm

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1(d) Impact of Pleistocene Ice Age on the crust of the Earth.

1(e) Types of endemic plants and their degree of vulnerability to extinction.



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2(a) With suitable examples, bring out the impact of local winds on the climate of an area.

2(b) What are the characteristics that make CHC a serious threat to the ecosystem? Give examples.

	CO ₂ (Carbon Dioxide)	CH ₄ (Methane)	N ₂ O (Nitrous Oxide)	CHC-11 (Chlorofluoro-carbon-11)	HFC-23 (Hydrofluoro-carbon-23)	CF ₄ (Perfluoro-methane)
Pre-industrial concentration	About 280 ppm	About 700 ppb	About 270 ppb	Zero	Zero	40 ppt
Concentration in 1998	365 ppm	1745 ppb	314 ppb	268 ppt	14 ppt	80 ppt
Rate of concentration change	1.5 ppm/yr	7.0 ppb/yr	0.8 ppb/yr	-1.4 ppt/yr	0.55 ppt/yr	1 ppt/yr
Atmospheric lifetime	5 to 200 yr	12 yr	114 yr	45 yr		

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2(c) What is 'Base level'? Explain the types of base level.

3(a) "Offshore Acoustic Study helped the development of the concept of sea floor spreading." Explain.

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3(b) Discuss Dew point and the various forms of condensation.

<https://www.youtube.com/watch?v=q7iBhFFoHig>

3(c) Bring out the relationship between climate and vegetation in the Mountain Biome.

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4(a) Compare the Subsidence and Glacial control theories on the formation of coral reefs.

<https://www.youtube.com/watch?v=tpFTk2y6uE0>

4(b) Explain the levels of Noise pollution and the legislative measures to control it.

Category of Area/Zone	Limits in dB(A) Leq *	
	Day Time	NightTime
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40