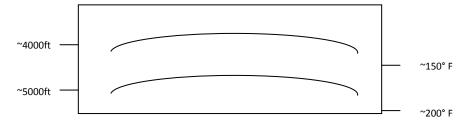
Worksheet for History Channel's *Crude*Part I

	, and		_ source of energy.					
,	Abundant	Cheap	Commercial	Convenient	Easy	Profitable	Rich	
Oil is conce	entrating mi	llions of year	s of	into a li	quid.			
T or F Whe	en planktonio	c organisms (die, their remair	ns settle to the	e ocean floor and	d accumulate l	ayer by layer.	
			_ dioxide (CO₂), a he same word.)	and hydro	s a	re the central	characters in the	e story
Too little C er.	CO₂ in the atr	mosphere an	d the entire pla	net will	, too	much and it w	vill	al
Phytoplank	kton cells flo	at near the v	vater surface ar	nd soak up	, c	converting CO ₂	to	b
	CO ₂	Mud	Oil	Osmosis	Photosynthesis	Sugar	Sunlight	
T or F Phyt	oplankton b	looms can be	e visible from sp	oace.				

10. **T or F** In an anoxic area there is no life to churn up and obliterate the layers of decaying animals so the igneous layering is very well preserved.

Worksheet for History Channel's *Crude*Part I

11. Shale is cooked inside the Earth, and the final product depends on depth (since depth determines pressure and heat). Please draw the layers and petroleum products described.



- 12. Thick black shales were laid down in the Middle East [during the reign of the dinosaurs], so many that _____ of the world's oil supply comes from organic sediments buried here.
- 13. [There are] a number of things that are absolutely required for giant oil fields:
 - a. Really rich ______ from which carbon can be cooked,
 - b. Really excellent _____ where the oil can migrate through and be trapped,
 - c. Really good _____ that actually locks the oil in place,
 - d. Really gentle structures, folded structures which geologists call ______ in which the oil could sit.
- 14. Most of the world *contains / is devoid of* oil because these special conditions *are met / are not met* in lots of places around the globe.
- 15. Our central character slowly oozed through the most _____ and _____ rocks available until it could go no further, and trickled into _____ pore spaces.

CO₂ Holey Limestone Oily Permeable Porous Tangible