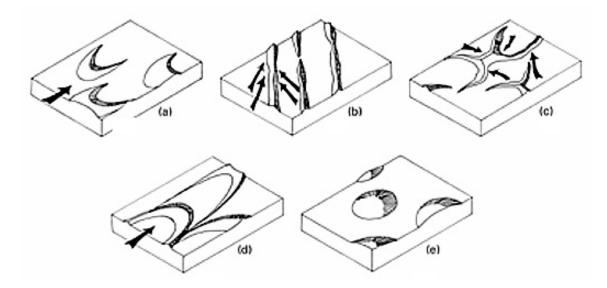
Physical Geology South Sevier High School		Date	
Lecture Notes – Chapter 13	53	Per	
1. A is any	/ arid region that re	ceives less than	cm of precipitation per year.
In spite of low rainfall, landscapes. Rare and often	violent flash flood	is the predominant fo events produce most o	rce shaping most desert desert erosion.
3. The Biome of Monroe, Utah	is a	-	
4. Deserts can be found anywh	nere that the atmos	phere (air) is usually _	
5. Most deserts are associated	with areas where	air is (ascending/desce	ending).
Globally, hot, moist air rises latitude.	in the tropics, and	dry air descends near	degrees north and south
7d	eserts form downw	rind of where moist air	rises over high mountain ranges.
8. About% of the Eart	th's surface is cove	red in Desert.	
9. What mountain range puts u	ıs (in Monroe, Utah) in a Rain Shadow?	
 There are two distinct landso province (in Western Utah) is separated by valley floors ca 			es called
11. The Colorado(due to their large elevation :			
b	 broad flat-topped 		
12. Narrow canyons carry sedim valley floor are called			ins. Sediment that empty onto the
13. Many alluvial fans may overl	ap to form a	·	
14. Finest sediments travel to ba	asin center where v	vater ponds and evapo	orates in
15. Wind can keep dust in suspe	ension, but larger s	and grains move by	
16. Sand grains moving in high-	speed winds can e	ffectively sand-blast ro	cks into
17. Wind can deposit thick layer deposits exist in China, and		zed material called	Thick loess

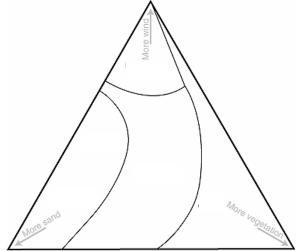
18. Loess typically forms soils that are very fertile, yet easily ______. The U.S. dust bowl of the 1930s was produced by eroding loess during extended periods of _____.

19. Sand _____ are mounds of loose sand piled up by the wind.

20. The images below are of the different types of dunes found on Earth and Mars. Label each type correctly using the following: Longitudinal, Barchan, Star, Dome, Parabolic (5pts).



21. The dune pyramid below shows the relationship between dune types, wind, sand, and vegetation. Label the areas (with letters) within the pyramid with the correct type of dune type (5pts).



- A. No Dunes
- B. Tranverse Dunes
- C. Longitudinal Dunes
- D. Barchan Dunes
- E. Parabolic Dunes

22. Why aren't deserts restricted to equatorial latitudes (5pts)?

23. The land speed record was broken on a playa (Bonneville salt flats). Why are the playas so flat (5pts)?

24. What geologic evidence do we have for an atmosphere on Mars (5pts)?