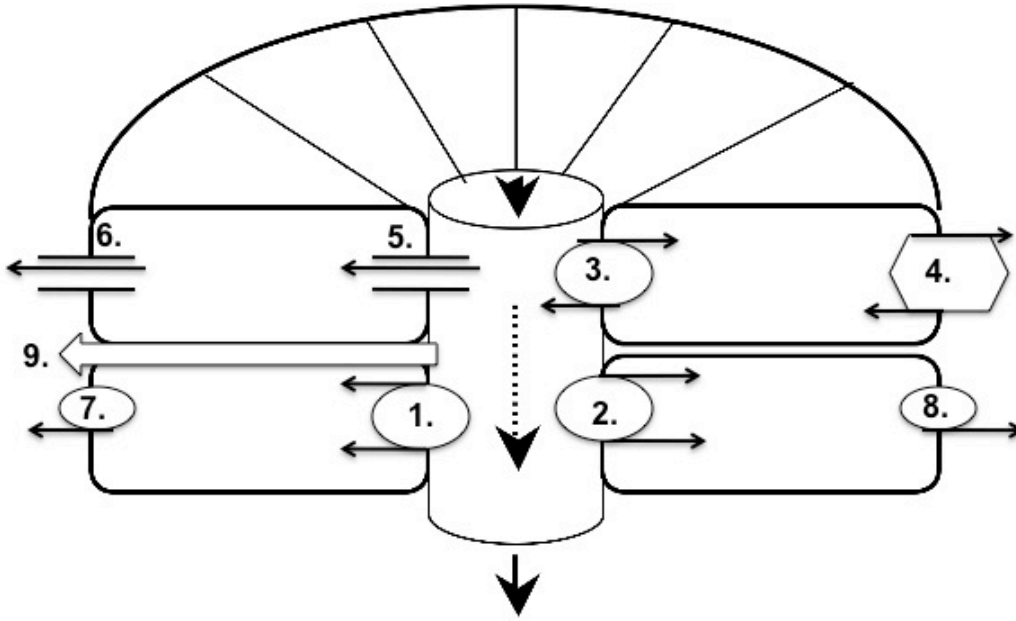


Transport Properties of Specific Nephron Segments

PROXIMAL TUBULE

Overall Theme: _____

1. Label the transporters/channels of the proximal tubule



Channel/Transporter	Location (membrane)	Regulated?	Notes
1. Na ⁺ /glucose symporter	luminal		
2. Na ⁺ /amino acid symporters	luminal		
3. Na ⁺ /H ⁺ exchanger	luminal		
4. Na ⁺ /K ⁺ ATPase	basolateral		
5. Water channel (AQ I)	luminal		
6. Water channel (AQI)	basolateral		
7. Glucose uniporter	basolateral		
8. Amino acid uniporter	basolateral		
9. Paracellular H ₂ O, K ⁺ , Cl ⁻	NA		

