

5. Name the following phase changes and identify each of them as either an endothermic or an exothermic process.

<u>Phase change</u>	<u>Name</u>	<u>Endo- or Exo-</u>
a. solid → liquid	_____	_____
b. liquid → solid	_____	_____
c. liquid → gas	_____	_____
d. gas → liquid	_____	_____
e. solid → gas	_____	_____
f. gas → solid	_____	_____

6. Draw a diagram showing the three states of matter, the four major phase changes between them, and whether those phase changes are endothermic or exothermic.

7. The formation of sweat on the skin is considered to be a cooling process. Using the kinetic theory, describe how the evaporation of sweat cools the skin.

8. Name one similarity and two differences between heat of fusion and heat of solidification.