**Local Breeze Systems Writing Prompt:**

**Name: Date; Period:**

A system is any interaction between the or in the atmosphere, lithosphere, hydrosphere or biosphere. In the creation of land and sea breezes, insolation (incoming solar radiation) creates interactions between the land (lithosphere), water (hydrosphere), and the air (atmosphere). In the space below describe how insolation (or absence of insolation) leads to the creation of land and sea breezes. In your answer be sure to

* Identify the cause of the local breezes
* Identify all three “-spheres” and how they interact with each other
* Identify any heat transfers that may be present (radiation, conduction, convection)

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| **Systems Writing Rubric** |
| **4 Points** | **3 Points** | **2 Points** | **1 Point** | **0 Point** |
| Shows mastery of what an Earth system is; Identifies a specific example of an Earth system related to given topic and; Identifies and thoroughly explains specific interactions that occur both in the system and out of the system | Shows mastery of what an Earth system is; Identifies a specific example of an Earth system related to given topic and; Identifies and explains specific interactions that occur both in the system and out of the system;  | Shows some mastery of what an Earth system is; Identifies a specific example of an Earth system related to given topic and; Identifies specific interactions that occur both in the system and out of the system;  | Shows some mastery of what an Earth system is; Identifies a specific example of an Earth system related to given topic and; Partially identifies specific interactions that occur both in the system and out of the system;  | Shows no mastery of what an Earth system is; Unable to or struggles to identify a specific example of an Earth system related to given topic and; Unable to or struggles to identify specific interactions that occur both in the system and out of the system;  |