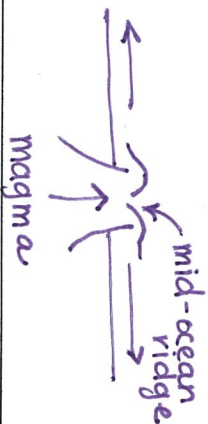

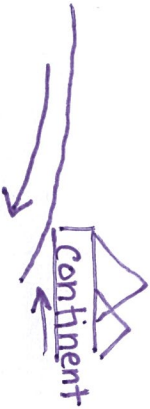




PLATES BOUNDBERIES

Name: _____
 Date: _____
 Period: _____

| Type | Picture | What Happens... | What is formed... |
|----------------------------------|---|---|---|
| Divergent |  | <ul style="list-style-type: none"> Plates are moving <u>apart</u> Magma <u>upwells</u> between the plates Crust is <u>created</u> | <ul style="list-style-type: none"> • mid-ocean ridge • new sea floor |
| Convergent (Ocean-Ocean) |  | <ul style="list-style-type: none"> Plates are moving <u>together</u> Ocean plates are <u>denser</u>. So one ocean plate <u>sinks</u>. When it <u>sinks</u>, the plate <u>melt</u> and the crust is <u>destroyed/recycled</u> | <ul style="list-style-type: none"> • ocean trenches • Subduction zone • Island Volcanos |
| Convergent (Ocean-Continent) |  | <ul style="list-style-type: none"> Plates are moving <u>together</u> The denser, <u>ocean</u> plate <u>sinks</u> under the continental plate. Crust is <u>destroyed</u> when it <u>melts</u>. | <ul style="list-style-type: none"> • trench • Subduction zone • Coastal mountains + volcanos |
| Convergent (Continent-Continent) |  | <ul style="list-style-type: none"> Plates are moving <u>together</u>. <u>Neither</u> plate can <u>sink</u> because they too are <u>light</u>. Crust is <u>destroyed</u>. | <ul style="list-style-type: none"> • mountains |
| Transform |  | <ul style="list-style-type: none"> Plates are moving <u>past each other</u> Crust is neither <u>formed</u> nor <u>destroyed</u>. | <ul style="list-style-type: none"> • Earthquakes |