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| *Fill in the response mode you think is most likely to evolve in each scenario. Choose from: reversible phenotypic plasticity, irreversible phenotypic plasticity, conservative bet-hedging, diversifying bet-hedging, or adaptive tracking. Note that some response modes will occur more than once.* | **Fast environmental change**: Changes occur frequently within the lifespan of an individual, meaning each individual experiences multiple environmental conditions. For instance, a daily light-dark cycle or seasonal temperature fluctuations for organisms with lifespans longer than a few days. | **Intermediate environmental change**: Changes occur at a rate where individuals experience shifts in environmental conditions across their lifetime but not frequently. | **Slow environmental change**: Changes unfold across multiple generations, so that each individual experiences a relatively stable environment within its lifetime. For example, gradual changes in habitat due to geological processes or the long-term impact of human-driven climate change on species with short life cycles. |
| **Predictable environmental change**: Shifts in conditions come with reliable cues that organisms can use to anticipate or recognize changes in their environment. For example, seasonal changes signaled by daylight length. |  |  |  |
| **Partly predictable environmental change:** Shifts in conditions come with a cue that is somewhat reliable. For example, mast seeding in oak trees or the arrival of monsoon rains |  |  |  |
| **Unpredictable environmental change**: Changes occur without reliable cues, meaning organisms cannot easily anticipate or recognize the shifts in conditions. Examples include sudden weather events like droughts or storms. |  |  |  |

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| *Fill in the response mode(s) you observed in each scenario and note down any other observations. Make sure you run each scenario at least twice, each time using a different seed.* | **Fast environmental change**  R = 1 | **Intermediate environmental change**  R = 315 | **Slow environmental change**  R = 10.000 |
| **Predictable environmental change**  P = 1 |  |  |  |
| **Partly predictable environmental change**  P = 0.4 |  |  |  |
| **Unpredictable environmental change**  P = 0 |  |  |  |