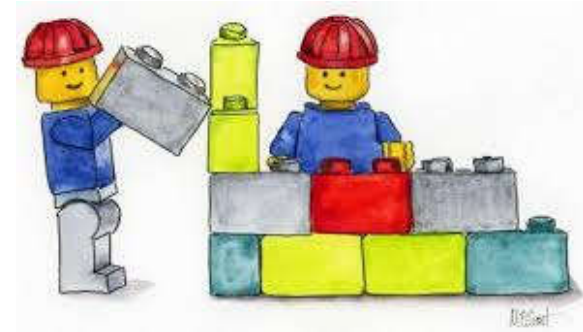


5 E learning Model and Constructivism

The 5 E's Model

- The 5 E's is an instructional model based on the constructivist approach to learning, which says that learners build or construct new ideas on top of their old ideas.
- The 5 E's can be used with students of all ages, including adults. Each of the 5 E's describes a phase of learning, and each phase begins with the letter "E": Engage, Explore, Explain, Elaborate, and Evaluate.
- The 5 E's allows students and teachers to experience common activities, to use and build on prior knowledge and experience, to construct meaning, and to continually assess their understanding of a concept.



Constructivism

- Constructivism is a learning strategy that draws on students' existing knowledge, beliefs, and skills. With a constructivist approach, students synthesize new understanding from prior learning and new information.
- The constructivist teacher firstly sets up problems and monitors student exploration, guides student inquiry, and promotes new patterns of thinking. As a result, students begin to think of learning as accumulated, evolving knowledge.



The 5 E Learning Cycle Model



Engagement

- *Object, event or question used to engage students.
- *Students encounter the material, define their questions, lay the groundwork for their tasks, make connections from new to known, identify relevance.

Exploration (search, study, inquiry)

- *Objects and phenomena are explored.
- * Students directly involved with material, inquiry drives the process, teamwork is used to share and build knowledge base
- *Hands-on activities, with guidance.

Explanation

- *Students explain their understanding of concepts and processes.
- *New concepts and skills are introduced as conceptual clarity.
- * Instructor supplies resources, feedback, vocabulary, and clarifies misconceptions

The 5 E Learning Cycle Model

Elaboration (give details)

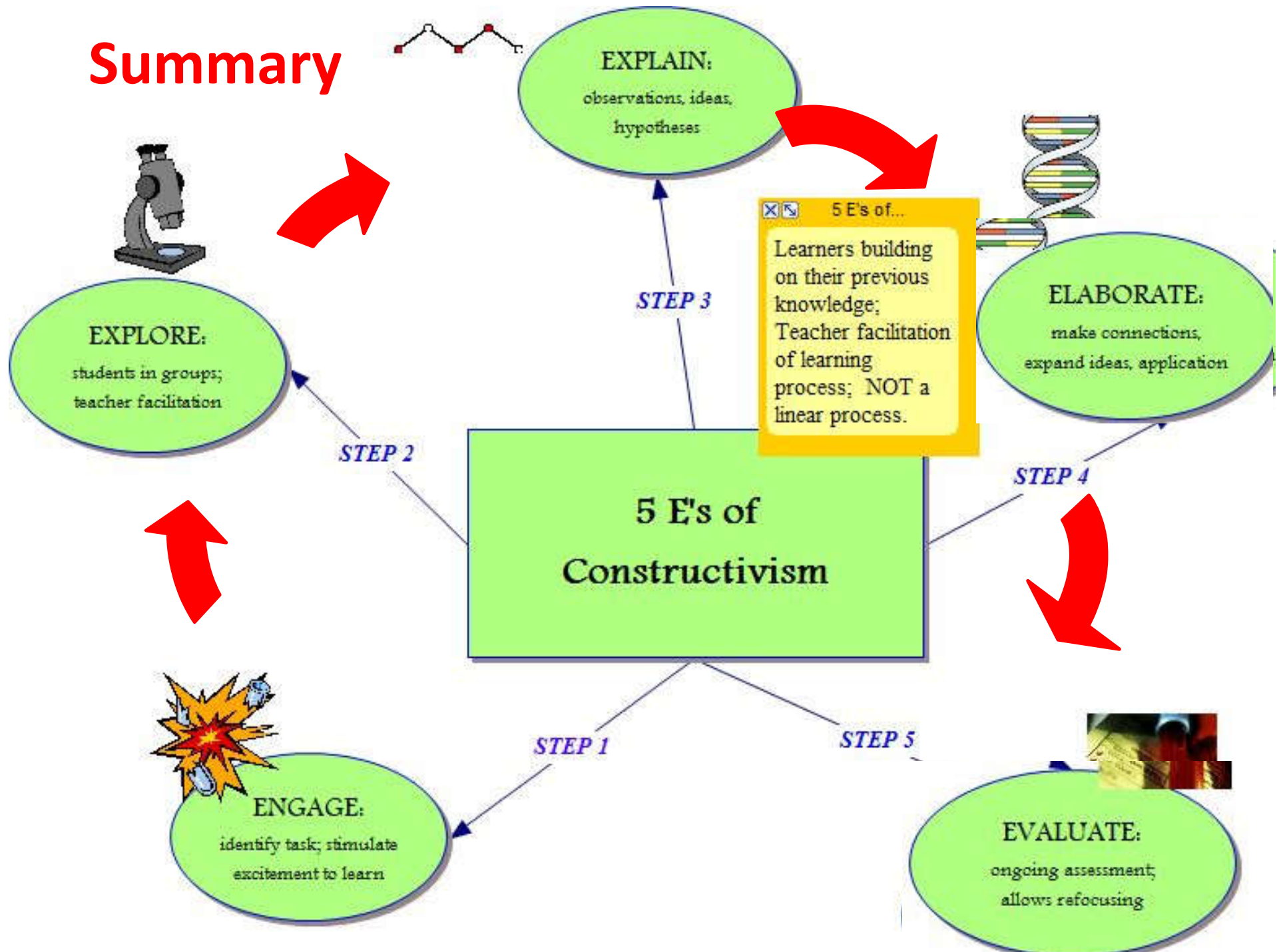
- *Activities allow students to apply concepts in contexts, and build on or extend understanding and skill.
- *Learners expand on their knowledge, connect it to similar concepts, apply it to other situations - can lead to new inquiry.

Evaluation

- *Students assess their knowledge, skills and abilities. Activities permit evaluation of student development and lesson effectiveness.
- * Results are used to evaluate and modify further instructional needs.



Summary



Questions

1. Explain what is constructivism.
2. Explain 5 E learning model.
3. Explain what does 5 E mean.
4. Explain how can a teacher evaluate students according to 5 E model.