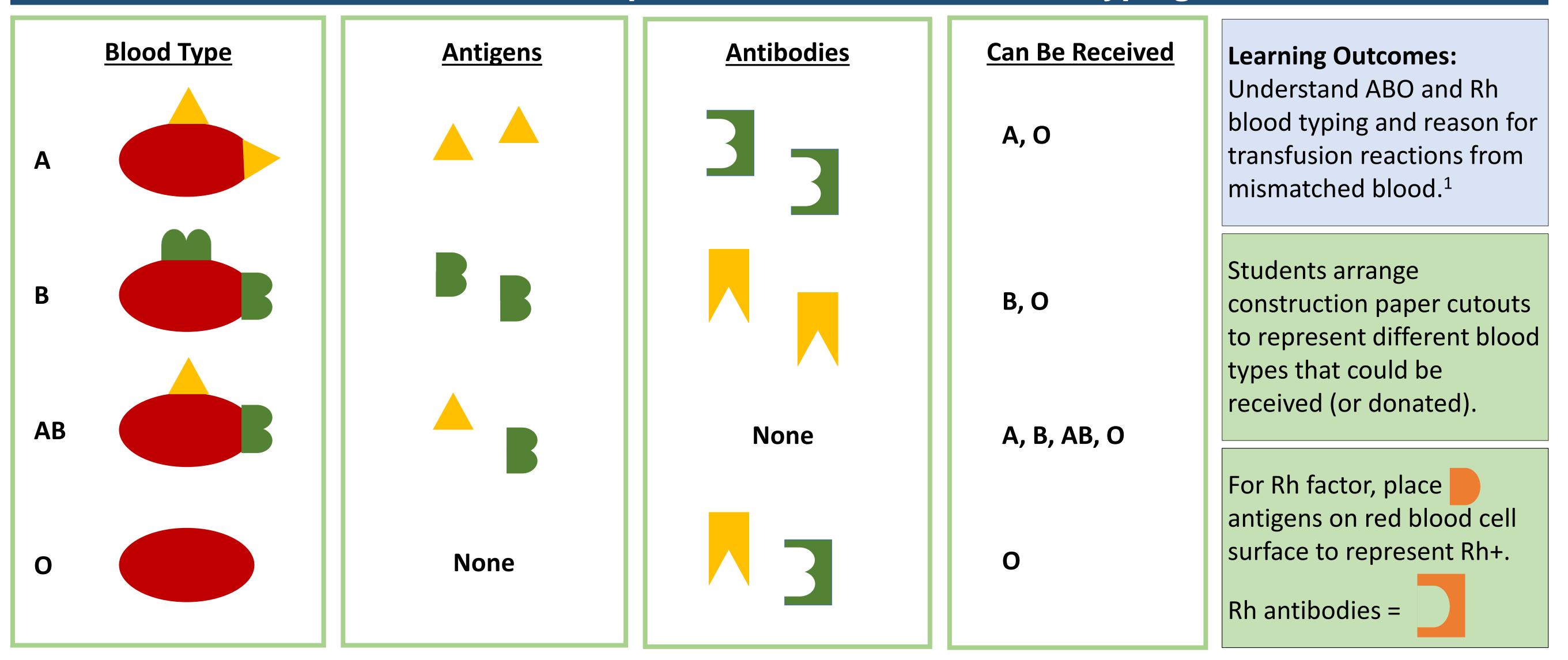
# Three Low Key, But High Impact, Teaching Techniques for Undergraduate Biology Labs

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## **Construction Paper Cut Outs for ABO Blood Typing**



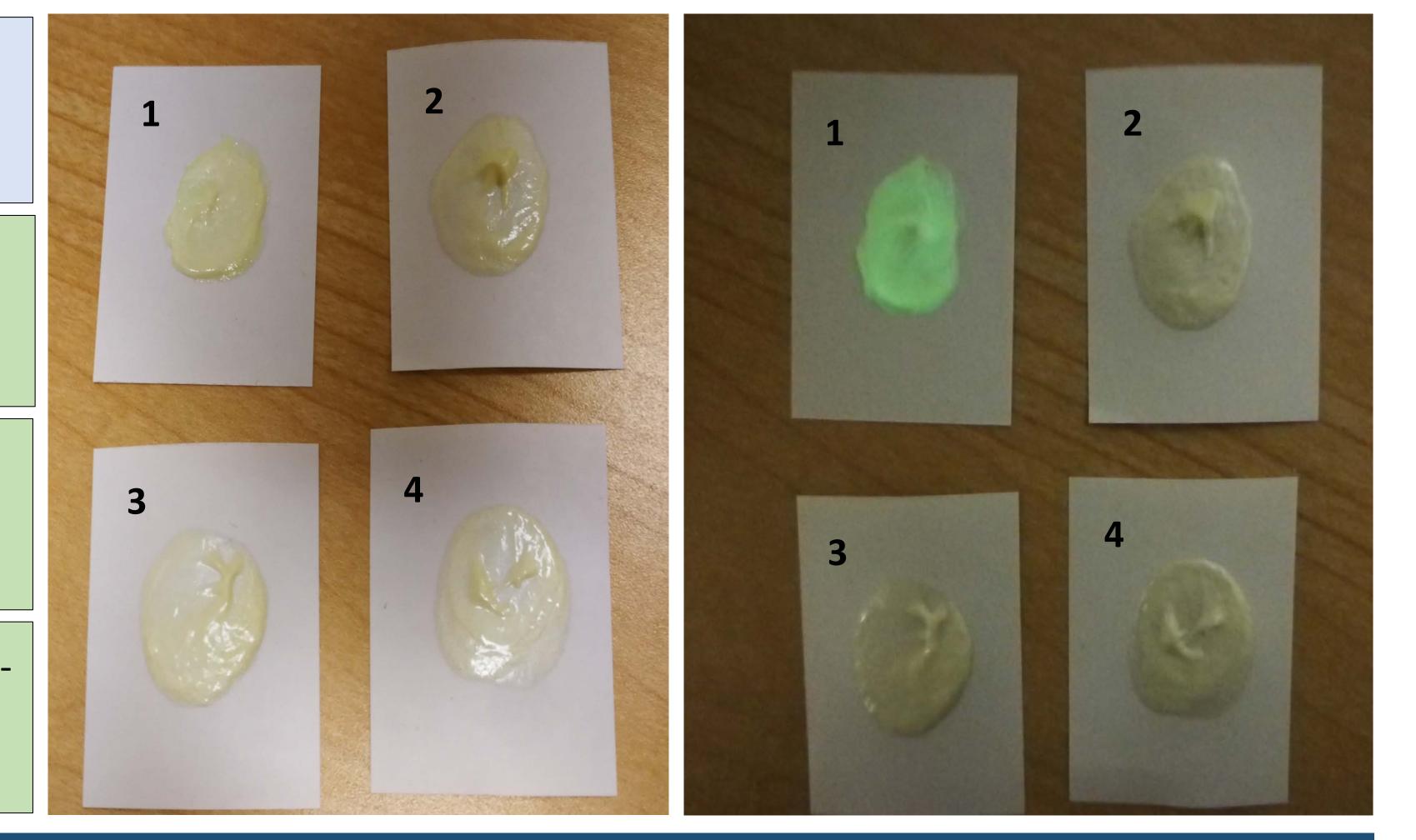
### "Glow-in-the-Dark" Viruses for Epidemiology

#### **Learning Outcomes:**

Understand how infectious diseases spread through direct contact and become epidemics.<sup>2</sup>

Apply moisturizer to numbered squares but secretly apply glow-in-the-dark face paint to one paper square.

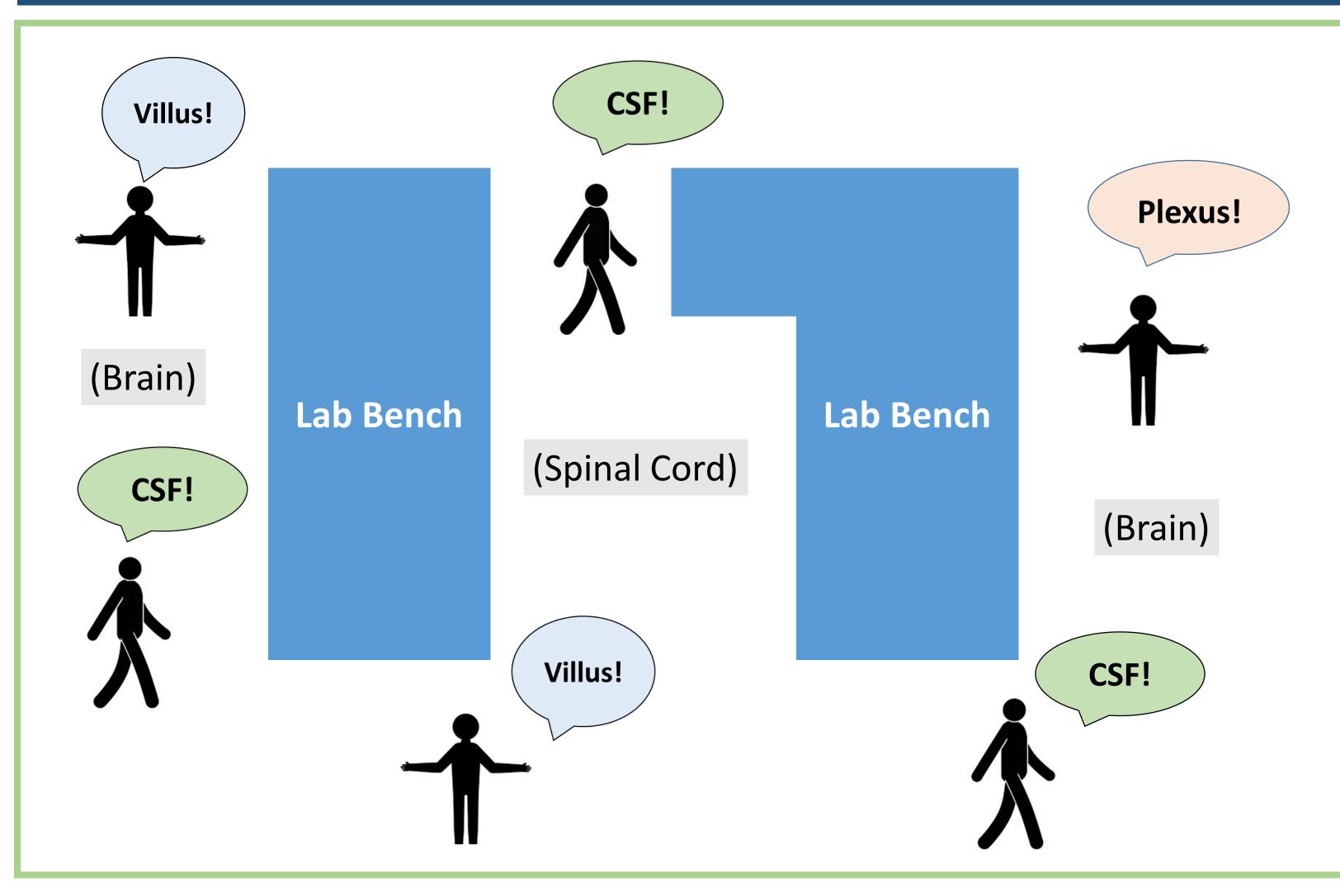
Each student receives a numbered square and



exchanges "bodily fluid" with 3 different individuals by rubbing their paper squares together.

Dim the lights to reveal those infected with "glow-inthe-dark" virus and students determine the individual who began the epidemic.

## **Collaborative Game for Flow of Cerebrospinal Fluid**



#### Learning Outcomes:

Understand the formation, circulation and drainage of cerebrospinal fluid (CSF).<sup>1</sup>

Students are designated as CSF, choroid plexuses (produce CSF), or arachnoid villi (reabsorb CSF).

CSF released by choroid plexuses can move between lab benches (= spinal cord) or around benches (= brain) or be reabsorbed by arachnoid villi.

