

6. A vessel containing water is moving with a constant acceleration as shown in figure. Which of the following diagrams represents surface of the liquid.

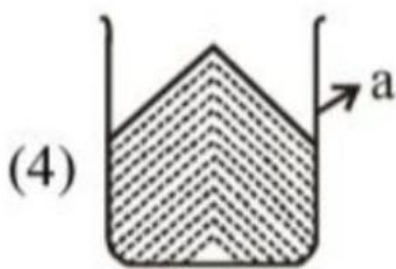
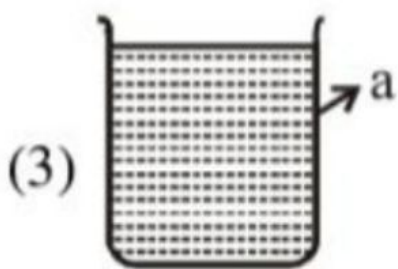
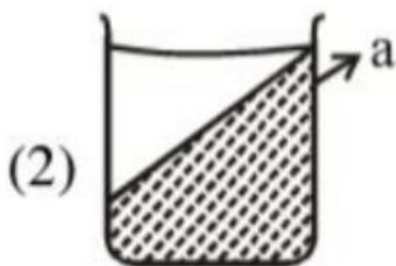
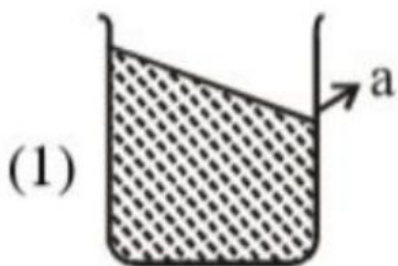


Diagram (1) represents surface of liquid when the container is subjected to acceleration .

Inertia resists the motion , hence liquid moves back just like when we are moving back inside a vehicle if the vehicle is suddenly accelerated