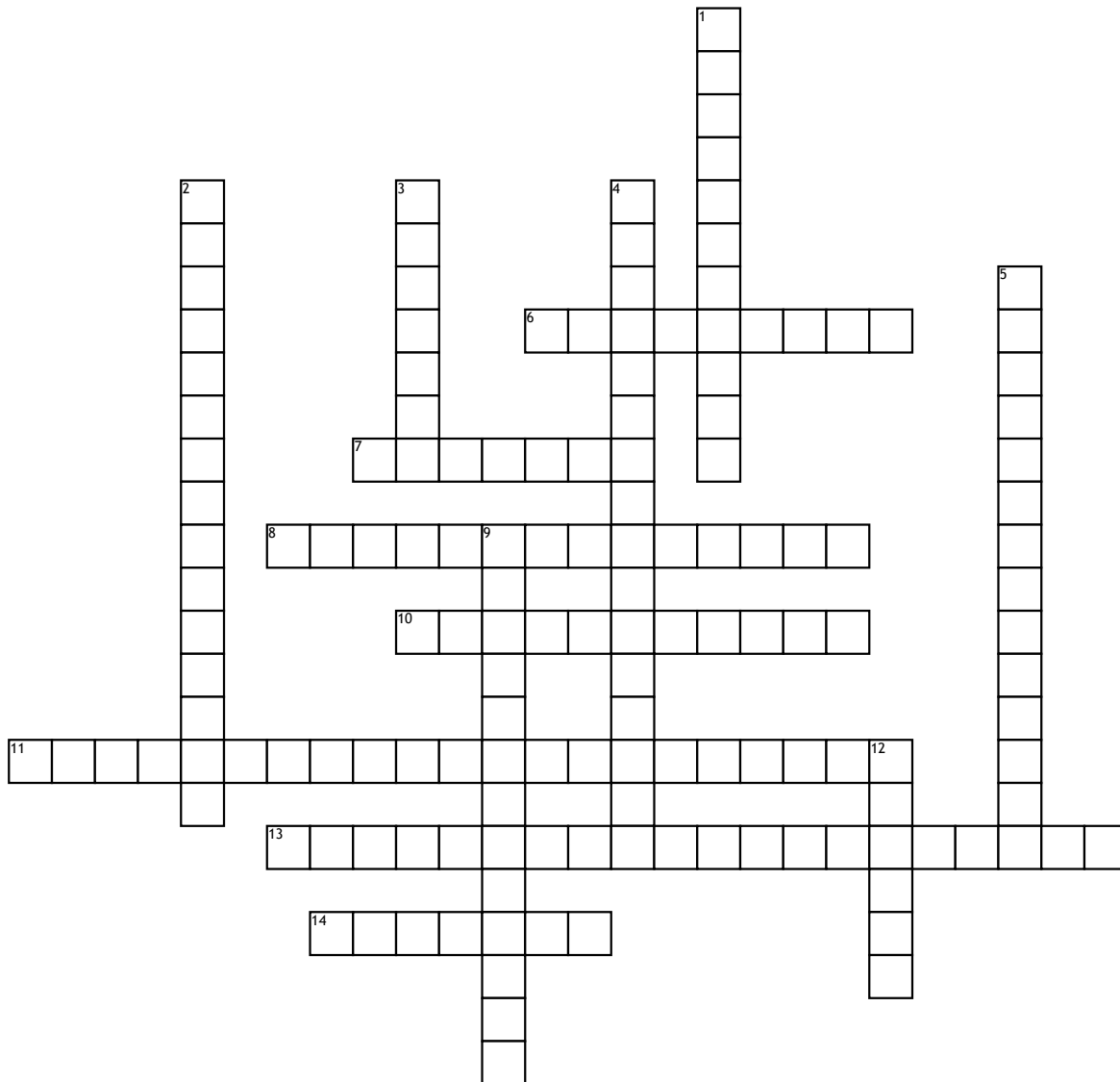


# Human Factors



## Across

6. The process of exchanging gases between the body and the atmosphere

7. Psychological and/or physiological state characterized by a diminished capacity to perform and tiredness

8. Differences in pressure on either side of the ear drum causing distension and pain, even damage

10. The movement of blood from the lungs through the vessels of the body which distributes nutrients and oxygen to cells and removes waste products

11. Injuries caused by a rapid decrease in pressure that surrounds the body, mainly caused by diving

13. Accurate perception of the operational and environmental factors that affect the aircraft and its occupants during a specific period

14. Component of the inner ear which converts vibrations into nerve impulses sent to the brain

## Down

1. A chemical reaction that happens in all cells to release energy from glucose sugars and oxygen

2. Expansion or contraction of gases in facial cavities causing pain

3. Inadequate oxygen supply to the cells and tissues of the body

4. Over breathing, or breathing at a rate in excess of that required to remove carbon dioxide

5. Colorless, odorless and tasteless gas produced by gasoline and fuels which binds to red blood cells instead of oxygen therefore reducing oxygen carrying capacity in the body

9. Dental cavities may hurt at increasing altitude due to more pressure within the affected tooth

12. Any type of change that causes physical, emotional or psychological strain and is the body's response to anything that requires attention or action (fight or flight response)