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Variable	Definition
1. <i>Age</i>	Age in years (continuous)
2. <i>Gender</i>	Male (1), Female (2)
3. <i>Marital Status</i>	Married (1), Single (2), Divorced (3), Widowed (4)
4. <i>Education</i>	High school or less (1), Some college (2), Bachelor's degree (3), Master's degree (4), Doctorate (5)
5. <i>Income</i>	Less than \$10,000 (1), \$10,000-\$19,999 (2), \$20,000-\$29,999 (3), \$30,000-\$39,999 (4), \$40,000-\$49,999 (5), \$50,000-\$59,999 (6), \$60,000-\$69,999 (7), \$70,000-\$79,999 (8), \$80,000-\$89,999 (9), \$90,000-\$99,999 (10), \$100,000 or more (11)
6. <i>Health</i>	Excellent (1), Very good (2), Good (3), Fair (4), Poor (5)
7. <i>Exercise</i>	Never (1), Sometimes (2), Always (3)
8. <i>Stress</i>	Low (1), Medium (2), High (3)
9. <i>Sleep</i>	Less than 6 hours (1), 6-7 hours (2), 7-8 hours (3), 8-9 hours (4), 9-10 hours (5), 10-11 hours (6), 11-12 hours (7), 12-13 hours (8), 13-14 hours (9), 14-15 hours (10), 15-16 hours (11), 16-17 hours (12), 17-18 hours (13), 18-19 hours (14), 19-20 hours (15), 20-21 hours (16), 21-22 hours (17), 22-23 hours (18), 23-24 hours (19), 24-25 hours (20), 25-26 hours (21), 26-27 hours (22), 27-28 hours (23), 28-29 hours (24), 29-30 hours (25), 30-31 hours (26), 31-32 hours (27), 32-33 hours (28), 33-34 hours (29), 34-35 hours (30), 35-36 hours (31), 36-37 hours (32), 37-38 hours (33), 38-39 hours (34), 39-40 hours (35), 40-41 hours (36), 41-42 hours (37), 42-43 hours (38), 43-44 hours (39), 44-45 hours (40), 45-46 hours (41), 46-47 hours (42), 47-48 hours (43), 48-49 hours (44), 49-50 hours (45), 50-51 hours (46), 51-52 hours (47), 52-53 hours (48), 53-54 hours (49), 54-55 hours (50), 55-56 hours (51), 56-57 hours (52), 57-58 hours (53), 58-59 hours (54), 59-60 hours (55), 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- 22. ☐ **Genetic Drift**
- 23. ☐ **Genetic Bottleneck**
- 24. ☐ **New Gene Introduction**
- 25. ☐ **Gene Flow**
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1	What is the main purpose of the study?	1	What is the main purpose of the study?
2	What is the research question?	2	What is the research question?
3	What is the hypothesis?	3	What is the hypothesis?
4	What is the methodology?	4	What is the methodology?
5	What is the data collection method?	5	What is the data collection method?
6	What is the data analysis method?	6	What is the data analysis method?
7	What is the conclusion?	7	What is the conclusion?
8	What are the limitations of the study?	8	What are the limitations of the study?
9	What are the implications of the study?	9	What are the implications of the study?
10	What are the future research directions?	10	What are the future research directions?
11	What is the significance of the study?	11	What is the significance of the study?
12	What is the contribution of the study?	12	What is the contribution of the study?
13	What is the overall summary?	13	What is the overall summary?
14	What is the final conclusion?	14	What is the final conclusion?
15	What is the overall message?	15	What is the overall message?
16	What is the overall finding?	16	What is the overall finding?
17	What is the overall result?	17	What is the overall result?
18	What is the overall outcome?	18	What is the overall outcome?
19	What is the overall effect?	19	What is the overall effect?
20	What is the overall impact?	20	What is the overall impact?
21	What is the overall influence?	21	What is the overall influence?
22	What is the overall effect size?	22	What is the overall effect size?
23	What is the overall confidence interval?	23	What is the overall confidence interval?
24	What is the overall p-value?	24	What is the overall p-value?
25	What is the overall significance level?	25	What is the overall significance level?
26	What is the overall alpha level?	26	What is the overall alpha level?
27	What is the overall beta level?	27	What is the overall beta level?
28	What is the overall gamma level?	28	What is the overall gamma level?
29	What is the overall delta level?	29	What is the overall delta level?
30	What is the overall epsilon level?	30	What is the overall epsilon level?
31	What is the overall zeta level?	31	What is the overall zeta level?
32	What is the overall eta level?	32	What is the overall eta level?
33	What is the overall theta level?	33	What is the overall theta level?
34	What is the overall iota level?	34	What is the overall iota level?
35	What is the overall kappa level?	35	What is the overall kappa level?
36	What is the overall lambda level?	36	What is the overall lambda level?
37	What is the overall mu level?	37	What is the overall mu level?
38	What is the overall nu level?	38	What is the overall nu level?
39	What is the overall xi level?	39	What is the overall xi level?
40	What is the overall omicron level?	40	What is the overall omicron level?
41	What is the overall pi level?	41	What is the overall pi level?
42	What is the overall rho level?	42	What is the overall rho level?
43	What is the overall sigma level?	43	What is the overall sigma level?
44	What is the overall tau level?	44	What is the overall tau level?
45	What is the overall upsilon level?	45	What is the overall upsilon level?
46	What is the overall phi level?	46	What is the overall phi level?
47	What is the overall chi level?	47	What is the overall chi level?
48	What is the overall psi level?	48	What is the overall psi level?
49	What is the overall omega level?	49	What is the overall omega level?
50	What is the overall final conclusion?	50	What is the overall final conclusion?

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Question	Answer
1. Which of the following is a function of the endoplasmic reticulum?	Protein synthesis
2. Which of the following is a function of the Golgi apparatus?	Protein modification and transport
3. Which of the following is a function of the lysosome?	Digestion of macromolecules
4. Which of the following is a function of the mitochondrion?	ATP production
5. Which of the following is a function of the nucleus?	Storage of genetic material

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Topic	Notes
<p>1. Work a part-time (30%)</p> <p>2. Independent (10%)</p> <p>3. and Super (30%)</p>	<p>Work as a part-time (30%)</p>
<p>4. Super (30%)</p> <p>5. Super (30%)</p> <p>6. Super (30%)</p> <p>7. Super (30%)</p> <p>8. Super (30%)</p> <p>9. Super (30%)</p> <p>10. Super (30%)</p>	<p>Work as a part-time (30%)</p>

Case	Case description	Case outcome
1	Case 1: A patient with a history of chronic kidney disease (CKD) and hypertension (HTN) presented with a sudden onset of severe headache and vomiting. The patient was found to have a large intracerebral hemorrhage (ICH) in the right frontal lobe.	The patient was managed with supportive care and a craniectomy was performed to relieve the mass effect. The patient was discharged to a rehabilitation facility.
2	Case 2: A patient with a history of CKD and HTN presented with a sudden onset of weakness and numbness in the right arm and leg. The patient was found to have a small ICH in the right parietal lobe.	The patient was managed with supportive care and a craniectomy was performed to relieve the mass effect. The patient was discharged to a rehabilitation facility.
3	Case 3: A patient with a history of CKD and HTN presented with a sudden onset of confusion and disorientation. The patient was found to have a small ICH in the right temporal lobe.	The patient was managed with supportive care and a craniectomy was performed to relieve the mass effect. The patient was discharged to a rehabilitation facility.
4	Case 4: A patient with a history of CKD and HTN presented with a sudden onset of severe headache and vomiting. The patient was found to have a large ICH in the right frontal lobe.	The patient was managed with supportive care and a craniectomy was performed to relieve the mass effect. The patient was discharged to a rehabilitation facility.
5	Case 5: A patient with a history of CKD and HTN presented with a sudden onset of weakness and numbness in the right arm and leg. The patient was found to have a small ICH in the right parietal lobe.	The patient was managed with supportive care and a craniectomy was performed to relieve the mass effect. The patient was discharged to a rehabilitation facility.
6	Case 6: A patient with a history of CKD and HTN presented with a sudden onset of confusion and disorientation. The patient was found to have a small ICH in the right temporal lobe.	The patient was managed with supportive care and a craniectomy was performed to relieve the mass effect. The patient was discharged to a rehabilitation facility.
7	Case 7: A patient with a history of CKD and HTN presented with a sudden onset of severe headache and vomiting. The patient was found to have a large ICH in the right frontal lobe.	The patient was managed with supportive care and a craniectomy was performed to relieve the mass effect. The patient was discharged to a rehabilitation facility.
8	Case 8: A patient with a history of CKD and HTN presented with a sudden onset of weakness and numbness in the right arm and leg. The patient was found to have a small ICH in the right parietal lobe.	The patient was managed with supportive care and a craniectomy was performed to relieve the mass effect. The patient was discharged to a rehabilitation facility.
9	Case 9: A patient with a history of CKD and HTN presented with a sudden onset of confusion and disorientation. The patient was found to have a small ICH in the right temporal lobe.	The patient was managed with supportive care and a craniectomy was performed to relieve the mass effect. The patient was discharged to a rehabilitation facility.
10	Case 10: A patient with a history of CKD and HTN presented with a sudden onset of severe headache and vomiting. The patient was found to have a large ICH in the right frontal lobe.	The patient was managed with supportive care and a craniectomy was performed to relieve the mass effect. The patient was discharged to a rehabilitation facility.

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Question	Answer
1. Which of the following is a type of protein?	Enzyme
2. Which of the following is a type of lipid?	Cholesterol
3. Which of the following is a type of carbohydrate?	Sugar
4. Which of the following is a type of nucleic acid?	DNA
5. Which of the following is a type of cell?	Neuron
6. Which of the following is a type of tissue?	Epithelial
7. Which of the following is a type of organ?	Heart
8. Which of the following is a type of system?	Circulatory
9. Which of the following is a type of organism?	Human
10. Which of the following is a type of population?	Human population

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1. **What is the main purpose of the study?**
The study aims to investigate the effects of a new educational program on student learning outcomes.

2. **What are the research objectives?**
The research objectives are to determine the effectiveness of the program, compare it with traditional methods, and identify factors influencing student success.

3. **What is the research methodology?**
The methodology involves a quasi-experimental design with two groups: an experimental group receiving the new program and a control group receiving traditional instruction. Data is collected through pre-tests, post-tests, and surveys.

4. **What are the key findings?**
The key findings show that the experimental group achieved significantly higher scores on the post-test compared to the control group, indicating the program's effectiveness.

5. **What are the conclusions and recommendations?**
The conclusion is that the new educational program is effective in improving student learning outcomes. Recommendations include further research on program implementation and scaling.

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Q17: Synthesis	Q18: Synthesis
1. 1,2-dichloroethane (DCE)	1. 1,2-dichloroethane (DCE)
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- ❑ **Complex Issues**
- ❑ **Effect of the Firm's Big history**
- ❑ **Management Issues**
- ❑ **Organizational Big history**
- ❑ **Strategic Issues**
- ❑ **Financial Issues**
- ❑ **Human Resources Issues**
- ❑ **Marketing Issues**
- ❑ **Technology Issues**
- ❑ **Legal Issues**
- ❑ **Environmental Issues**
- ❑ **Social Issues**
- ❑ **Political Issues**
- ❑ **Ethical Issues**
- ❑ **Global Issues**
- ❑ **Industry Issues**
- ❑ **Competitive Issues**
- ❑ **Customer Issues**
- ❑ **Supplier Issues**
- ❑ **Government Issues**
- ❑ **Community Issues**
- ❑ **Media Issues**
- ❑ **Public Issues**
- ❑ **Academic Issues**
- ❑ **Professional Issues**
- ❑ **Personal Issues**
- ❑ **Other Issues**

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- ☐ oxidized 3-banded
- ☐ narrow band
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