Multiple Choice Questions (150)

1. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
2. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
3. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
4. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity

Answer: A
5. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
6. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
7. The continuity equation is based on the conservation of:
A) Energy
B) Mass
•
C) Momentum
C) Momentum
C) Momentum D) Pressure
C) Momentum D) Pressure Answer: B
C) Momentum D) Pressure Answer: B 8. In Euler's equation, which term is absent?
C) Momentum D) Pressure Answer: B 8. In Euler's equation, which term is absent? A) Pressure gradient
C) Momentum D) Pressure Answer: B 8. In Euler's equation, which term is absent? A) Pressure gradient B) Viscosity

9. A Venturi meter is used to measure:

A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
10. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
11. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
12. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
13. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity

C) Velocity
D) Gravity
Answer: B
14. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
15. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
16. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
17. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure

18. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
19. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
20. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
21. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
22. The continuity equation is based on the conservation of:

Answer: B

A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
23. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
24. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
25. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
26. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences

C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
27. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
28. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
29. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
30. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume

D) Temperature to density

Answer: B
31. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
32. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
33. In Euler's equation, which term is absent?
A) Pressure gradient
A) Pressure gradient B) Viscosity
B) Viscosity
B) Viscosity C) Velocity
B) Viscosity C) Velocity D) Gravity
B) Viscosity C) Velocity D) Gravity Answer: B
B) Viscosity C) Velocity D) Gravity Answer: B 34. A Venturi meter is used to measure:
B) Viscosity C) Velocity D) Gravity Answer: B 34. A Venturi meter is used to measure: A) Fluid velocity
B) Viscosity C) Velocity D) Gravity Answer: B 34. A Venturi meter is used to measure: A) Fluid velocity B) Fluid density
B) Viscosity C) Velocity D) Gravity Answer: B 34. A Venturi meter is used to measure: A) Fluid velocity B) Fluid density C) Fluid temperature

A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
36. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
37. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
38. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
39. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density

C) Fluid temperature
D) Fluid viscosity
Answer: A
40. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
41. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
42. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
43. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity

Answer: B
44. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
45. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
46. What is the primary purpose of Bernoulli's principle?
46. What is the primary purpose of Bernoulli's principle? A) Measuring temperature
A) Measuring temperature
A) Measuring temperature B) Explaining fluid flow and pressure differences
A) Measuring temperature B) Explaining fluid flow and pressure differences C) Calculating electrical resistance
A) Measuring temperature B) Explaining fluid flow and pressure differences C) Calculating electrical resistance D) Determining gravitational force
A) Measuring temperature B) Explaining fluid flow and pressure differences C) Calculating electrical resistance D) Determining gravitational force Answer: B
 A) Measuring temperature B) Explaining fluid flow and pressure differences C) Calculating electrical resistance D) Determining gravitational force Answer: B 47. The continuity equation is based on the conservation of:
A) Measuring temperature B) Explaining fluid flow and pressure differences C) Calculating electrical resistance D) Determining gravitational force Answer: B 47. The continuity equation is based on the conservation of: A) Energy
A) Measuring temperature B) Explaining fluid flow and pressure differences C) Calculating electrical resistance D) Determining gravitational force Answer: B 47. The continuity equation is based on the conservation of: A) Energy B) Mass
A) Measuring temperature B) Explaining fluid flow and pressure differences C) Calculating electrical resistance D) Determining gravitational force Answer: B 47. The continuity equation is based on the conservation of: A) Energy B) Mass C) Momentum

A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
49. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
50. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
51. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
52. The continuity equation is based on the conservation of:
A) Energy
B) Mass

C) Momentum
D) Pressure
Answer: B
53. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
54. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
55. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
56. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force

Answer: B
57. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
58. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
59. A Venturi meter is used to measure:
59. A Venturi meter is used to measure:A) Fluid velocity
A) Fluid velocity
A) Fluid velocity B) Fluid density
A) Fluid velocity B) Fluid density C) Fluid temperature
A) Fluid velocityB) Fluid densityC) Fluid temperatureD) Fluid viscosity
A) Fluid velocity B) Fluid density C) Fluid temperature D) Fluid viscosity Answer: A
A) Fluid velocity B) Fluid density C) Fluid temperature D) Fluid viscosity Answer: A 60. Newton's law of viscosity relates:
A) Fluid velocity B) Fluid density C) Fluid temperature D) Fluid viscosity Answer: A 60. Newton's law of viscosity relates: A) Shear stress to strain
A) Fluid velocity B) Fluid density C) Fluid temperature D) Fluid viscosity Answer: A 60. Newton's law of viscosity relates: A) Shear stress to strain B) Shear stress to rate of strain
A) Fluid velocity B) Fluid density C) Fluid temperature D) Fluid viscosity Answer: A 60. Newton's law of viscosity relates: A) Shear stress to strain B) Shear stress to rate of strain C) Pressure to volume

A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
62. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
63. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
64. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
65. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain

C) Pressure to volume
D) Temperature to density
Answer: B
66. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
67. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
68. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
69. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity

Answer: A
70. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
71. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
72. The continuity equation is based on the conservation of:
72. The continuity equation is based on the conservation of: A) Energy
A) Energy
A) Energy B) Mass
A) Energy B) Mass C) Momentum
A) Energy B) Mass C) Momentum D) Pressure
A) Energy B) Mass C) Momentum D) Pressure Answer: B
A) Energy B) Mass C) Momentum D) Pressure Answer: B 73. In Euler's equation, which term is absent?
A) Energy B) Mass C) Momentum D) Pressure Answer: B 73. In Euler's equation, which term is absent? A) Pressure gradient
A) Energy B) Mass C) Momentum D) Pressure Answer: B 73. In Euler's equation, which term is absent? A) Pressure gradient B) Viscosity
A) Energy B) Mass C) Momentum D) Pressure Answer: B 73. In Euler's equation, which term is absent? A) Pressure gradient B) Viscosity C) Velocity

A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
75. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
76. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
77. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
78. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity

C) Velocity
D) Gravity
Answer: B
79. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
80. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
81. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
82. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure

Answer: B
83. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
84. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
85. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
86. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
87. The continuity equation is based on the conservation of:

A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
88. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
89. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
90. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
91. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences

C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
92. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
93. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
94. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
95. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume

D) Temperature to density

Answer: B
96. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
97. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
98. In Euler's equation, which term is absent?
98. In Euler's equation, which term is absent? A) Pressure gradient
A) Pressure gradient
A) Pressure gradient B) Viscosity
A) Pressure gradient B) Viscosity C) Velocity
A) Pressure gradient B) Viscosity C) Velocity D) Gravity
A) Pressure gradient B) Viscosity C) Velocity D) Gravity Answer: B
A) Pressure gradient B) Viscosity C) Velocity D) Gravity Answer: B 99. A Venturi meter is used to measure:
A) Pressure gradient B) Viscosity C) Velocity D) Gravity Answer: B 99. A Venturi meter is used to measure: A) Fluid velocity
A) Pressure gradient B) Viscosity C) Velocity D) Gravity Answer: B 99. A Venturi meter is used to measure: A) Fluid velocity B) Fluid density
A) Pressure gradient B) Viscosity C) Velocity D) Gravity Answer: B 99. A Venturi meter is used to measure: A) Fluid velocity B) Fluid density C) Fluid temperature

A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
101. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
102. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
103. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
104. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density

C) Fluid temperature
D) Fluid viscosity
Answer: A
105. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
106. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
107. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
108. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity

Answer: B
109. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
110. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
111. What is the primary purpose of Bernoulli's principle?
111. What is the primary purpose of Bernoulli's principle?A) Measuring temperature
A) Measuring temperature
A) Measuring temperature B) Explaining fluid flow and pressure differences
A) Measuring temperature B) Explaining fluid flow and pressure differences C) Calculating electrical resistance
A) Measuring temperature B) Explaining fluid flow and pressure differences C) Calculating electrical resistance D) Determining gravitational force
A) Measuring temperature B) Explaining fluid flow and pressure differences C) Calculating electrical resistance D) Determining gravitational force Answer: B
 A) Measuring temperature B) Explaining fluid flow and pressure differences C) Calculating electrical resistance D) Determining gravitational force Answer: B 112. The continuity equation is based on the conservation of:
 A) Measuring temperature B) Explaining fluid flow and pressure differences C) Calculating electrical resistance D) Determining gravitational force Answer: B 112. The continuity equation is based on the conservation of: A) Energy
 A) Measuring temperature B) Explaining fluid flow and pressure differences C) Calculating electrical resistance D) Determining gravitational force Answer: B 112. The continuity equation is based on the conservation of: A) Energy B) Mass
A) Measuring temperature B) Explaining fluid flow and pressure differences C) Calculating electrical resistance D) Determining gravitational force Answer: B 112. The continuity equation is based on the conservation of: A) Energy B) Mass C) Momentum

A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
114. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
115. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
116. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
117. The continuity equation is based on the conservation of:
A) Energy
B) Mass

C) Momentum
D) Pressure
Answer: B
118. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
119. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
120. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
121. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance

D) Determining gravitational force

Answer: B
122. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
123. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
124. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
125. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
126. What is the primary purpose of Bernoulli's principle?

A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
127. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
128. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
129. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
130. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain

C) Pressure to volume
D) Temperature to density
Answer: B
131. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
132. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
133. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
134. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity

Answer: A
135. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
136. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
137. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
138. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B

139. A Venturi meter is used to measure:

A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
140. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
141. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
142. The continuity equation is based on the conservation of:
A) Energy
B) Mass
C) Momentum
D) Pressure
Answer: B
143. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity

D) Gravity Answer: B 144. A Venturi meter is used to measure: A) Fluid velocity B) Fluid density C) Fluid temperature D) Fluid viscosity Answer: A
144. A Venturi meter is used to measure: A) Fluid velocity B) Fluid density C) Fluid temperature D) Fluid viscosity Answer: A
A) Fluid velocity B) Fluid density C) Fluid temperature D) Fluid viscosity Answer: A
B) Fluid density C) Fluid temperature D) Fluid viscosity Answer: A
C) Fluid temperature D) Fluid viscosity Answer: A
D) Fluid viscosity Answer: A
Answer: A
145 Nowton's law of viscosity relates:
145. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B
146. What is the primary purpose of Bernoulli's principle?
A) Measuring temperature
B) Explaining fluid flow and pressure differences
C) Calculating electrical resistance
D) Determining gravitational force
Answer: B
147. The continuity equation is based on the conservation of:
A) Energy
A) Energy B) Mass

Answer: B
148. In Euler's equation, which term is absent?
A) Pressure gradient
B) Viscosity
C) Velocity
D) Gravity
Answer: B
149. A Venturi meter is used to measure:
A) Fluid velocity
B) Fluid density
C) Fluid temperature
D) Fluid viscosity
Answer: A
150. Newton's law of viscosity relates:
A) Shear stress to strain
B) Shear stress to rate of strain
C) Pressure to volume
D) Temperature to density
Answer: B

True/False Questions (150)

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Answer: Because it assumes an ideal fluid with no internal friction.

149. How does a Venturi meter work?

Answer: By constricting fluid flow and measuring the resulting pressure drop to determine flow rate.

150. Define rheology in the context of fluid mechanics.

Answer: Rheology is the study of the deformation and flow of matter under applied forces.