Ananya Panday's Maldives vacay looks exotic and calming



Bollywood actress Ananya Panday is living the best phase of her

The actress recently had a gala time in the Maldives and has been sharing an umpteen number of photos straight from her exotic holiday. She recently shared a few pictures of herself posing against the dawn sky, with hues of shades of blue. In another picture, Ananya was seen posing cutely with a bicycle.

Recently, Panday shared a video of herself indulging in favourite delicacy while on the trip. She was seen shooting the video of a variety of croissants and puffs at a fine bakery in Maldives. She also gave a glimpse of her lavish villa at the exotic location. Ananya seems to have gone to the Maldives to unwind herself and gear up for her upcoming professional commitments. Talking about her professional career, Ananya is all set for her upcoming films 'Chand Mera Dil" starring Lakshya Lalwani and 'Tu Meri Main Tera, Main Tera Tu Meri' opposite Kartik Aaryan. Recently, Ananya Panday's OTT show 'Call Me Bae" clocked l year, and the actress shared a compilation video from the show on a social media account to celebrate its one year. She penned a note expressing her excitement for her forthcoming season of the show. '1 year to CALL ME BAE, and I'm ever grateful for all the love we still get and all the questions on when we're doing season 2, which is going to be super soon. Can't wait to get back with the best team and step into Bae's heels again. She's honestly the best girl," she wrote. Expressing gratitude, Ananya wrote, "I am beyond grateful!!! #CallMeBae is trending globally at #6 and in the top 10 in so many nations. I'm truly touched by all the love directed towards Bae and the entire cast. The way fans are emulating Bae's style and recreating her looks and lines is heartwarming."

added, #Behencode videos are absolutely adorable!! Keep them coming, along with all the lovely renditions of our songs you all amaze me. l appreciate all reviews and the little details everyone has picked up on, with fans already asking for season 2! Thank you, thank you, thank you – it's only been a week since the launch, and I couldn't be more thankful."

Overview of Laminar Flow

releases an invisible, fragrant chemical called Pheromone. The successive ants smell this chemical and march-like an army. So, don't you think this is a laminar flow? Yes, that's true.

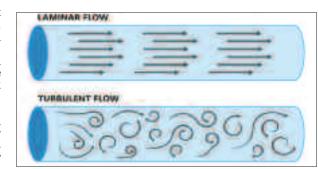
A laminar flow in fluid mechanics is the straight or linear flow of all the particles of the fluid that is similar to the marching of an ant. If in this case ants deviate from their path and make two directions, then it is the non-laminar flow.

Laminar Fluid: In a fluid, for laminar flow, all the particles carry constant attributes like velocity, pressure, and speed. These particles have a smooth movement as we walk on a smooth road.

You can think of the laminar flow of liquid as the straight road (free of turns). While driving when you encounter a turn on the left or right of the road, the laminar flow becomes a non laminar

Laminar Flow in Fluid Mechanics: In fluid dynamics, laminar flow is a smooth or regular movement of particles of the fluid. In Laminar flow, the fluid flows in parallel layers with lesser lateral mixing and no disruption between the layers. We call the laminar flow a streamline

The terminology 'streamlined flow' is descriptive of the



Real-life Application of

Laminar Flow: In aerody-

namics, the same concept applies to dynamic lift. We

see an airfoil, which carries

a pressure difference: howev-

er, the flow remains laminar,

and this pressure difference

allows the wings of an aero-plane to lift up. So, here, lami-

nar flow is one of the applica-

tions in the mechanics of air.

ity of the liquid is higher like

honey, peanut butter, milk

butter; they all have a high-

er viscosity and when they

flow after melting, their layers

remain intact, and therefore,

all the particles to remain in

close vicinity with each other,

without leaving their exact

lattice point (imaginary)

while making movement in

This smooth forward move-

ment is the result of the lam-

inar flow. So, the more is the

viscosity, the more is the lam-

inar flow, and the more is the

laminar flux. So, do you know

the forward direction.

However, when the viscos-

laminar fluid flow because, in laminar flow, layers of water flow over one another at varying speeds with virtually no mixing between layers, fluid particles move in definite and observable paths or streamlines just like the marching of Indian Army.

When a fluid flows via a closed channel such as a pipe or between two flat plates, the laminar flow may occur depending on the velocity, viscosity of the fluid, and the size of the pipe. Laminar flow occurs at lower velocities and high viscosity.

Laminar Flow in Liquid: A laminar flow in a liquid depends on the two following factors: Velocity & Viscosity.

Whenever a fluid flows in a pipe, the velocity of the laminar fluid flow remains to change that's what we can observe in the above figure. So, when there is a pressure difference in the below and the above layer of the laminar fluid, the velocity difference don't know, let's understand this in detail: Laminar Flow to Non-

Laminar Flow: Do you know why a laminar flow turns to a non-laminar flow? In the above example, we discussed an application of aerodynamics for the laminar flow. In another example, we

discussed honey, ghee, peanut butter, milk butter, and so on. These all eating items have high viscosity. Let's suppose that you kept an opened ghee packet under the Sun. Now, on melting, it starts flowing very quickly in varying directions. So, when this variation in its laminar fluid flow occurs, this is the turbulent flow or turbulence nature. Turbulence occurs when the velocity of the fluid increases with the decrease in its velocity. We consider the turbulence flow as a non-laminar flow.

Let's consider another example to understand the

When you are hurrying to your office, and you encounter heavy traffic after making a turn, you adjust the flow of your driving to whatever direction you can take to cross the traffic, here, your driving has a turbulent or a non-laminar flow because at each adjustment to drive ahead of all the vehicles, the property of your vehicle in motion like velocity, acceleration is changing.

Persons in news

1. Recently, who has been elected as the new president of the International Court of Justice (ICJ)?

[A] Nawaf Salam [B] Dalveer Bhandari

[C] Joan Donoghue [D] Ronny Abraham

2. Who has been bestowed with the prestigious 'Chevalier de la Légion d'Honneur', France's highest civilian honour?

[A] Rajnath Singh [B] Shashi Tharoor [C] Neeraj Chopra [D] LK Advani

3. Ameen Sayani, who passed away recently, was associated with which profession?

[A] Scientist [B] Politician

[C] Radio Presenter [D] Cricketer

4. Recently, who has become the first world leader to reach two crore subscribers on his official

YouTube channel? [A] Jair Bolsonora, Brazil [B] Narendra Modi, India [C] Joe Biden, USA [D] Leo Varadkar, Ireland

5. What was the primary field of Ved Prakash Nanda, who passed away recently?

[A] Agriculture [B] Environment

[C] International Law [D] Human Rights

6. Who is the author of recently released the book titled "Why Bharat Matters"?

[A] Amit Shah [B] Nirmala Sitharaman [C] S. Jaishankar

[D] Rajnath Singh

7. Who is the author of "Chip War: The Fight for the World's Most Critical Technology"?

[A] Yuval Noah Harari [B] Malcolm Gladwell

[C] Chris Miller [D] Walter Isaacson

8. Who has been appointed as the first woman **Director-General of Police** in Maharashtra?

[A] B. Sandhya [B] Archana Sondawale [C] Sushma Singh [D] Rashmi Shuklla

9. Who has been appoint-

10.Dhokra Shipkala,

recently seen in the news,

is associated with which

11.Dhokra Shipkala,

recently seen in the news.

is associated with which

12.Hastsal Minar, which

was seen in the news, is

located in which state/UT?

[A] Jammu & Kashmir

[A] Ancient painting

one of the following?

[B] Metal casting

[C] Wood carving

one of the following?

[C] Wood carving

[D] Embroidery

[A] Ancient painting [B] Metal casting

[D] Embroidery

[B] Manipur

[C] Assam [D] Tripura

ed as India's ambassador to the World Trade Organisation (WTO) in Geneva? [A] Brajendra Navnit

B] Senthil Pandian C [C] Pankaj Kumar Bansal [D] M Selvendran

10.Which two BSF personnel were awarded the President's Medal for Gallantry posthumously on the eve of the 75th Republic Day?
[A] Sanwala Ram Vishnoi

and Shishupal Singh
[B] Naik Jasbir Singh and

Vikas Choudhary [C] Sunil Kumar and

Satendra Singh [D] Harminder Singh and Daljeet Singh

11.Manohar Joshi, who passed away recently, was former Chief Minister of

which state? [A] Gujarat

[B] Maharashtra [C] Karnataka

[D] Tamil Nadu

12.Shafiqur Rahman Barq, recently passed away, was associated with which field?

[A] Sports

[B] Politics [C] Social work

Answer 1. A, 2. B, 3. C, 4. B, 5. C,

6. C, 7. C, 8. D, 9. B, 10. A, 11.

15.Archaeologists

in which state?

[A] Harvana

C] Gujarat

Pradesh?

[A] Ayodhya

Cl Sambhal

[D] Sitapur

region of India?

[B] Jaisalmer

A] Jaipur

C] Kutch

[D] Bikaner

B] Saharanpur

[B] Rajasthan

[D] Uttar Pradesh

recently discovered a

Harappan-era fortified set-

tlement named Morodharo

16.Recently, Prime

Minister Narendra Modi

laid the foundation stone

of Shri Kalki Dham Temple

in which district of Uttar

17. 'Maru Mahotsav', also

known as Desert Festival,

is celebrated in which

World Environment Day

n June 5th of each year, the world observes **World Environment** Day (WED), a significant global event aimed at raising awareness and promoting action towards environmental protection. Established by the United Nations Environment Program (UNEP) in 1972, this day serves as a platform to highlight pressing ecological issues faced by our planet and foster sustainable practices.

This year, the theme for World Environment Day was 'Land restoration. desertification, and drought resilience' under the slogan 'Our land. Our future. We are #GenerationRestoration. The Kingdom of Saudi Arabia was host the 2024 World Environment Day global celebrations, marking a pivotal moment as the world commemorates the 30th anniversary of the UN Convention to Combat Desertification.

Significance and History: World Environment Day holds immense importance as it raises awareness, catalyzes action, and promotes bility. Through campaigns events, and initiatives, this day mobilizes individuals, communities, and organizations to make positive changes and address environmental challenges for a sustainable

The origins of World

Environment Day can be traced back to 1972, when the United Nations General Assembly established it as a platform to address pressing environmental issues and encourage global action. The first meeting was held in Stockholm, Sweden, in the same year, where the concept was debated and discussed. Since 1973, the tradition has continued annually on the

In alignment with the theme, the sixteenth session of the Conference of the Parties (COP 16) to the **United Nations Convention** to Combat Desertification (UNCCD) will be held in the Saudi capital, Riyadh, from ecember 2na to 13th, 2024 This significant event will bring together global leaders, policymakers, and stakeholders to discuss and formulate strategies to address the pressing issues of land restoration, desertification, and drought

Land restoration, desertification, and drought resilience are crucial issues that demand immediate attention. Healthy land. fertile soil, and clean water are essential for a thriving planet and sustainable development. By addressing these challenges, we can mitigate the impacts of climate change, protect biodiversity, and ensure food security for present and future genera-

As we celebrate World Environment Day 2024, let us unite as the #GenerationRestoration and take collective action towards restoring degraded lands, combating desertification, and building resilience against drought. Together, we can create a sustainable future for our planet, one where healthy ecosystems thrive, and communities are empowered to adapt to the challenges posed by climate

GK Quiz on Art and Culture 1. Salar Jung Museum, which was seen in the news, is located in which city?

[A] Bhopal [B] Lucknow

[C] Kolkata [D] Hyderabad

2. Rusoma Orange Festival, recently seen in the news, is celebrated in which state?

[A] Assam [B] Nagaland

C] Sikkim

[D] Manipur 3.Shumang Leela, recently seen in the news, is a traditional form of theatre performed in which state?

[A] Mizoram [B] Sikkim

[C] Assam [D] Manipur

4. Which Indian state was the theme state of World's Largest International Crafts Fair, Surajkund Mela 2024?

[A] Gujarat

[B] Rajasthan

[C] Madhya Pradesh

5.Mesolithic era rock paintings have recently been discovered in which

[A] Telangana [B] Madhya Pradesh

[C] Gujarat [D] Uttar Pradesh

_atent Heat of Water: Definition & example

absorbing or radiating heat or during change of state of

a particular matter (kJ kg-1);

for vaporization is approxi-

mately 2230 joules per gram

or 533 calories per gram. Sensible Heat and **Meteorology:** While latent heat of fusion and vaporization are used in physics and chemistry, meteorologists also consider sensible heat. When latent heat is absorbed or released, it produces instability in the atmosphere, potentially producing severe weather. The change in latent heat alters the temperature of objects as they come into contact with warmer or cooler air. Both latent and sensible heat cause air to move, producing wind and vertical motion of air masses.

Examples of Latent and Where, Q is quantity of

[A] Bhils [B]Gonds [C] Meitei

7. Recently, 390-year-old Deepastambham (lamp post) was found on the edge

[B] Kaveri River

[C] Godavari River [D] Pranhita River

caves, recently seen in the news, are located in which

[A] Maharashtra

[B] Gujarat

[D] Rajasthan

recently seen in the news, is recognized as one of the official state languages of

[B] Rajasthan [C] Andhra Pradesh [D] Delhi 13. Sominsai festival, recently seen in the news,

recently seen in the news,

state? [A] Gujarat

[B] Uttar Pradesh [C] Bihar

[D] Odisha

Mandir, Ayodhya? [A] Pramukh Swami

[B] Arun Yogiraj

18. Who is the main

architect of the Ram

[D] Chandrakant Sompura

Answer 1. D, 2. B, 3. D, 4. A, 5. A, 6.

MCQ on Places in news

that has recently secured prestigious UNESCO Asia-Pacific Award for Cultural Heritage Conservation, is located in which state?

[A] Maharashtra [B] Haryana [C] Goa

known as Gate of Tears

in Arabic? [A] Bab al-Mandeh (B) Strait of Hormuz

3. The Strait of Gibraltar, that was recently making

news, separates which two countries? [A] Italy and Greece [B] Spain and Morocco

4. Which airport has been named after Maharishi Valmiki as per the recent

[A] Lucknow [B] Ayodhya [C] Jodhpur

5.China claims which region/country as its 'sacred territory"?

6. Which state will fearail infrastructure?

[A] Uttar Pradesh [B] Uttarakhand [C] Madhya Pradesh [D] Maharashtra

7. Which city in Maharashtra has been selected by the Union Ministry of Youth Affairs and Sports as the venue to host the National Youth

[A] Nagpur [B] Mumbai [C] Nasik [D] Pune

Festival 2024?

8.China claims which region/country as its

sacred territory"? [A] Tibet [B] Hong Kong [C] Taiwan

[D] Macau 9.India's longest sea bridge, recently making headlines, connects which

two locations? [A] Bandra and Worli [B] Sewri and Chirle [C] Thane and Virar

[D] Vallarpadam and Kochi 10.Smruti Mandir and Deekshabhoomi, which

were recently in news, are located in which city? [A] Mumbai [B] Pune [C] Nagpur [D] Delhi

11.Smruti Mandir and Deekshabhoomi, which were recently in news, are located in which city?

[A] Mumbai [B] Pune [C] Nagpur

[D] Delhi

12. Which city has been 12. C, 13. A, 14. A, 15. C, 16. C.

named the cleanest in India for the seventh con-

13. Which city hosted the World Tamil Diaspora

[C] Tiruchirappalli [D] Coimbatore

ed in which country?

[A] Egypt [B] Vietnam [C] Iran

15. Recently, where were the iron ore deposits

[A] Jodhpur [B] Ajmer

[C] Karauli [D] Bikaner

of India? [A] Gangtok railway sta-

[C] Rangpo railway station

Answer

1. B, 2. A, 3. B, 4. B, 5. C, 6. B, 7. C, 8. C, 9. B, 10. C, 11. C,

ave you ever thought about what happens when any matter -changes its state Changing of phase undergoes a heat transfer, but the temperature of the substances remains constant. So, the heat necessary for phase changes of water from solid to liquid or gas, or liquid to solid or gas, without any temperature

heat of water. **Definition of Latent Heat:** The energy radiated or absorbed by a thermodynamic system or a body during its change of state and without any change in its temperature is termed as latent heat (also called latent energy). Moreover, latent heat is generally represented in calories or joules per unit mass or mole of the body expe-

alteration is known as latent

riencing phase change. Latent heat is a type of heat energy, described in energy per unit of mass, that must be achieved for a phase change to occur in a substance. The most familiar changes are seen in water, such as freezing liquid water to create ice or boiling water to create gas. During this process, you are continuing to add heat energy to water, but the water temperature does not increase. Where is the energy going?

The answer lies in latent heat.

melting ice blocks. Ice melts

as it absorbs heat and under-

goes a rise in its temperature.

Furthermore, during the

melting process, ice absorbs

latent energy which helps in

the change of its state from

solid to liquid. However, the

For instance, consider

temperature of ice does not change when it intakes latent Furthermore, three prima-

Latent Heat of Fusion-It refers to the energy related to freezing of liquid and melting of solid

ry forms of latent heat are as

Latent Heat of Vaporization- Whereas, latent heat of vaporization refers to the energy related with changing of solid or liquid to gas and condensation f vapour. Take an example of a bucket of water which is boiling. Moreover, when water in

the bucket is boiling, its

temperature stays at 100

degree Celsius or 212 degrees

Fahrenheit till it completely

evaporates. This happens

because water absorbs the

heat applied as latent heat

of vaporization. Further, it

is taken by the evaporating molecules. Additionally, in this same way, the temperature of ice when it melts is 0 degree Celsius or 32 degrees Fahrenheit. Also, the water

which is formed with the effect of latent heat of fusion is 0 degree

Sensible Heat: Although sensible heat is often called latent heat, it isn't a constant-temperature situation, nor is a phase change involved. Sensible heat reflects heat transfer between matter and its surroundings. It is the heat that can be "sensed" as a change in an object's temperature.

Specific Latent Heat: Specific latent heat refers to the quantity of energy in heat form needed for the complete change of phase for one unit of mass of a particular matter. This is an intensive property. The specific latent heat expression is:

on the extent or shape of any matter. So, accordingly, to evaluate specific latent heat of water value for fusion and vaporization use the following expression: $Q = m \times L$

Material or substance

features are intensive prop-

erties which do not depend

any matter (joules or calories) m is mass of matter (kilograms) L is specific latent heat for

Ly for vaporization and Lf for fusion **Note:** The latent heat of water at 0 degree Celsius for fusion is nearest to 334 joules per gram or 79.7 calories per gram. On the other hand, the latent heat of water at 1000C

Sensible Heat: Boiling water on a stove occurs when thermal energy from the heating element is transferred to the pot and in turn to the water. When enough energy is supplied, liquid water expands to form water vapor and the water boils. An enormous amount of energy is released when water boils. Because water has such a high heat of vaporization, it's easy to get burned by steam.

6.Subika paintings, which were seen in the news, are linked to which community's cultural his-

[D]Chiru

of which river? [A] Krishna River

8. Ajanta and Ellora

Madhya Pradesh

9.Kokborok language,

which state? [A] Mizoram

1.Church of Epiphany.

[D] Kerala 2. Which strait, that was recently in news, is also

[C] Bass strait [D] Strait of Johor

[C] France and England [D] Portugal and Algeria

[D] Ujjain

[A] Tibet [B] Hong Kong [C] Taiwan [D] Macau

ture India's first Personal Rapid Transit or PRT corridor as part of its metro is associated with which [B] Vietnam [A] Egypt

[D] China

14. Nagi Bird Festival,

is associated with which

C, 7. A, 8. A, 9. D, 10. B, 11. B, 12. D, 13. C, 14. C, 15. C, 16. C,

> secutive year? [A] Mumbai [B] Gandhinagar [C] Indore

> > [D] Nagpur

Day celebrations 2024? [A] Chennai [B] Madurai

14. Saqqara, recently seen in the news, is locat-

[D] Iraq

uncovered in Rajasthan?

16. What is the name of the Sikkim's first railway station, recently inaugurated by Prime Minister

[B] Namchi railway sta-

[D] Pelling railway sta-